



Quick Check – Form A

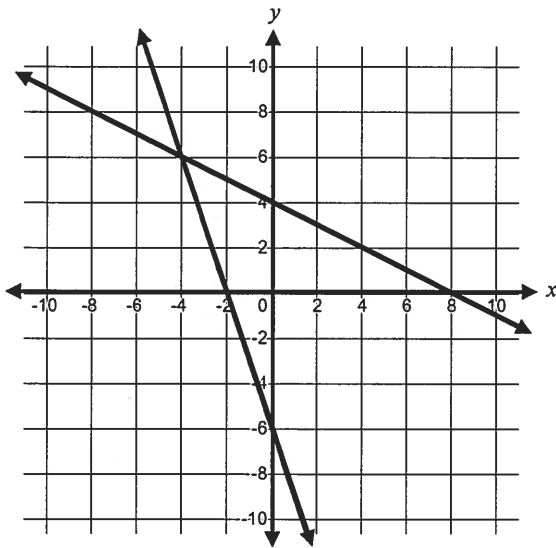
Readiness Standard 1 - A.REI.6

Name Key Date _____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{1}{2}x + 4$ and $y = -3x - 6$



Solution: (-4, 6)

2. $y = 3x$ and $y = 7x + 20$

$$\begin{array}{r} 3x = 7x + 20 \\ -7x \quad -7x \\ \hline -4x = 20 \\ \hline -4 \quad -4 \end{array}$$

$x = -5$

$$\begin{array}{l} y = 3(-5) \\ y = -15 \end{array}$$

Solution: (-5, -15)

3. $4x + y = 22$ and $2x - y = 8$

$$\begin{array}{r} 4x + y = 22 \\ 2x - y = 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6x = 30 \\ \hline 6 \quad 6 \end{array}$$

$x = 5$

x-coordinate of the solution: 5

4. $x - 3y = -11$ and $-x + 7y = 31$

$$\begin{array}{r} x - 3y = -11 \\ -x + 7y = 31 \\ \hline \end{array}$$

$$\begin{array}{r} 4y = 20 \\ \hline 4 \quad 4 \end{array}$$

$y = 5$

y-coordinate of the solution: 5



Quick Check – Form B

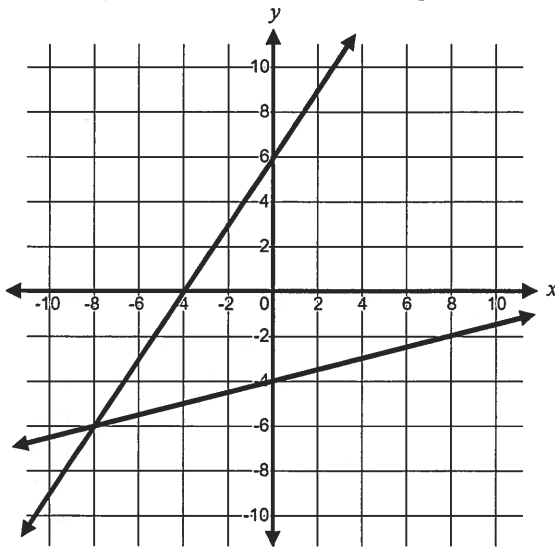
Readiness Standard 1 - A.REI.6

Name Key Date _____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = \frac{3}{2}x + 6$ and $y = \frac{1}{4}x - 4$



Solution: (-8 , -6)

2. $y = -4x$ and $y = 8x + 24$

$$\begin{array}{r} -4x = 8x + 24 \\ -8x \quad -8x \\ \hline -12x = 24 \\ \frac{-12}{-12} \quad \frac{-12}{-12} \\ \hline x = -2 \end{array}$$

$$\begin{array}{l} y = -4(-2) \\ y = 8 \end{array}$$

Solution: (-2 , 8)

3. $7x + y = 45$ and $-3x - y = -21$

$$\begin{array}{r} 7x + y = 45 \\ -3x - y = -21 \\ \hline \end{array}$$

$$\frac{4x}{4} = \frac{24}{4}$$

$$x = 6$$

x-coordinate of the solution: 6

4. $x - 3y = 15$ and $-x + 2y = 5$

$$\begin{array}{r} x - 3y = 15 \\ -x + 2y = 5 \\ \hline \end{array}$$

$$\frac{-y}{-1} = \frac{20}{-1}$$

$$y = -20$$

y-coordinate of the solution: -20



Quick Check – Form C

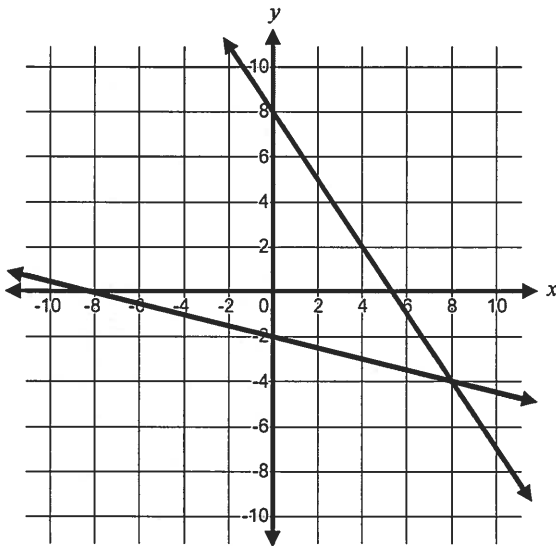
Readiness Standard 1 - A.REI.6

Name Key Date _____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{3}{2}x + 8$ and $y = -\frac{1}{4}x - 2$



Solution: (6 , -4)

2. $y = 4x$ and $y = 6x - 12$

$$\begin{array}{r} 4x = 6x - 12 \\ -6x \quad -6x \\ \hline -2x = -12 \\ \underline{-2} \quad \underline{-2} \end{array}$$

$x = 6$

$$\begin{array}{l} y = 4(6) \\ y = 24 \end{array}$$

Solution: (6 , 24)

3. $5x + y = 14$ and $3x - y = 2$

$$\begin{array}{r} 5x + y = 14 \\ 3x - y = 2 \\ \hline 8x = 16 \\ \underline{8} \quad \underline{8} \end{array}$$

$x = 2$

x-coordinate of the solution: 2

4. $-x - 4y = -22$ and $x + 6y = 32$

$$\begin{array}{r} -x - 4y = -22 \\ x + 6y = 32 \\ \hline 2y = 10 \\ \underline{2} \quad \underline{2} \end{array}$$

$y = 5$

y-coordinate of the solution: 5



Quick Check – Form D

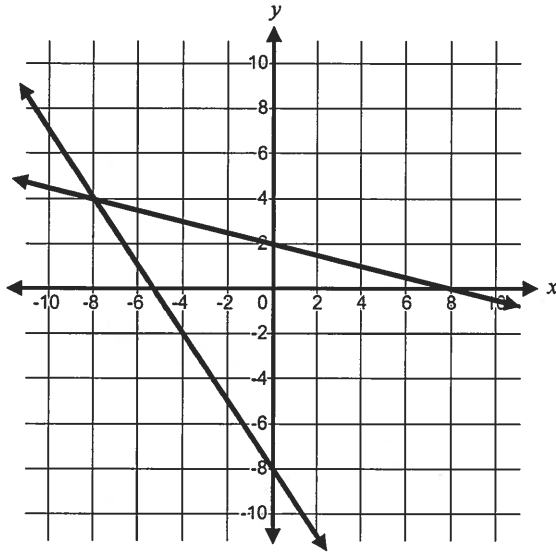
Readiness Standard 1 - A.REI.6

Name Key Date _____

Learning Target: I will solve systems of equations.

Directions: Find the solution to each system of equations. (Work time: 5 minutes)

1. $y = -\frac{1}{4}x + 2$ and $y = -\frac{3}{2}x - 8$



Solution: (-8, 4)

2. $y = -3x$ and $y = 5x + 24$

$$\begin{array}{r} -3x = 5x + 24 \\ -5x \quad -5x \\ \hline -8x = 24 \\ \frac{-8x}{-8} = \frac{24}{-8} \end{array}$$

$x = -3$

$$\begin{array}{l} y = -3(-3) \\ y = 9 \end{array}$$

Solution: (-3, 9)

3. $3x + y = -10$ and $-5x - y = 18$

$$\begin{array}{r} 3x + y = -10 \\ -5x - y = 18 \\ \hline -2x = 8 \\ \frac{-2x}{-2} = \frac{8}{-2} \end{array}$$

$x = -4$

x-coordinate of the solution: -4

4. $-x + 3y = 2$ and $x + 5y = 22$

$$\begin{array}{r} -x + 3y = 2 \\ x + 5y = 22 \\ \hline 8y = 24 \end{array}$$

$$\frac{8y}{8} = \frac{24}{8}$$

$y = 3$

y-coordinate of the solution: 3



Quick Check – Form A

Readiness Standard 2 - A.SSE.3a

Name Key Date _____

Learning Target: I will factor quadratic expressions to reveal the zeros of a function.

Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression $x^2 + 7x + 10$.
What are the factors of the expression?

$+x^2$	$+x$	$+x$	$+x$	$+x$	$+x$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: $(x+5)$ and $(x+2)$

2. Factor the expression.

$$x^2 + 2x - 15$$

x^2	$+x$	$+x$	$+x$	$+x$	$+x$
$-x$	-1	-1	-1	-1	-1
$-x$	-1	-1	-1	-1	-1
$-x$	-1	-1	-1	-1	-1

$2 \neq -1 \quad 15$
 $2 \neq 1 \quad -15$
 $2 = -3 \quad 5$
 $2 \neq 3 \quad -5$

Factors: $(x+5)$ and $(x-3)$

3. Find the zeros of the function.

$$f(x) = x^2 + 2x - 15$$

$$0 = (x+5)(x-3)$$

$0 = x+5$	$0 = x-3$
$-5 \quad -5$	$+3 \quad +3$
<hr/>	<hr/>
$-5 = x$	$3 = x$
$(-5, 0)$	$(3, 0)$

Zeros: $(-5, 0)$ and $(3, 0)$

4. Find the zeros of the function.

$$f(x) = x^2 + 7x + 10$$

$$0 = (x+5)(x+2)$$

$0 = x+5$	$0 = x+2$
$-5 \quad -5$	$-2 \quad -2$
<hr/>	<hr/>
$-5 = x$	$-2 = x$
$(-5, 0)$	$(-2, 0)$

Zeros: $(-5, 0)$ and $(-2, 0)$



Quick Check – Form B

Readiness Standard 2 - A.SSE.3a

Name Key Date _____

Learning Target: I will factor quadratic expressions to reveal the zeros of a function.

Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression $x^2 + 8x + 12$.
What are the factors of the expression?

$+x^2$	$+x$	$+x$	$+x$	$+x$	$+x$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: $(x+3)$ and $(x+4)$

2. Factor the expression.

$$x^2 + 4x - 12$$

1	12	2	6	3	4
-12	-1	-6	-2	-4	-3

= 4

$$(x+6)(x-2)$$

Factors: $(x+6)$ and $(x-2)$

3. Find the zeros of the function.

$$f(x) = x^2 + 4x - 12$$

$$0 = (x+6)(x-2)$$

$0 = x + 6$	$0 = x - 2$
$\frac{-6}{-6}$	$\frac{+2}{+2}$

$$-6 = x$$

$$(-6, 0)$$

$$2 = x$$

$$(2, 0)$$

Zeros: $(-6, 0)$ and $(2, 0)$

4. Find the zeros of the function.

$$f(x) = x^2 + 10x + 16$$

$$0 = (x+8)(x+2)$$

$0 = x + 8$	$0 = x + 2$
$\frac{-8}{-8}$	$\frac{-2}{-2}$

$$-8 = x$$

$$(-8, 0)$$

$$-2 = x$$

$$(-2, 0)$$

Zeros: $(-8, 0)$ and $(-2, 0)$



Quick Check – Form C

Readiness Standard 2 - A.SSE.3a

Name Key Date _____

Learning Target: I will factor quadratic expressions to reveal the zeros of a function.

Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression $x^2 + 6x + 5$.
What are the factors of the expression?

$+x^2$	$x+$	$x+$	$x+$	$x+$	$x+$
$+x$	$+1$	$+1$	$+1$	$+1$	$+1$

Factors: $(x+1)$ and $(x+5)$

2. Factor the expression.

$$x^2 - 2x - 15$$

Factors: $(x-5)$ and $(x+3)$

3. Find the zeros of the function.

$$f(x) = x^2 - 2x - 15$$

$$0 = (x-5)(x+3)$$

$\begin{array}{r} 0 = x - 5 \\ +5 \quad +5 \\ \hline 5 = x \\ (5, 0) \end{array}$	$\begin{array}{r} 0 = x + 3 \\ -3 \quad -3 \\ \hline -3 = x \\ (-3, 0) \end{array}$
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Zeros: $(5, 0)$ and $(-3, 0)$

4. Find the zeros of the function.

$$f(x) = x^2 + 8x + 12$$

$$0 = (x+6)(x+2)$$

$\begin{array}{r} 0 = x + 6 \\ -6 \quad -6 \\ \hline -6 = x \\ (-6, 0) \end{array}$	$\begin{array}{r} 0 = x + 2 \\ -2 \quad -2 \\ \hline -2 = x \\ (-2, 0) \end{array}$
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Zeros: $(-6, 0)$ and $(-2, 0)$



Quick Check – Form D

Readiness Standard 2 - A.SSE.3a

Name Key Date _____

Learning Target: I will factor quadratic expressions to reveal the zeros of a function.

Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

1. The area model below represents the expression $x^2 + 5x + 6$.
What are the factors of the expression?

$+x^2$	$+x$	$+x$	$+x$
$+x$	$+1$	$+1$	$+1$
$+x$	$+1$	$+1$	$+1$

Factors: $(x+3)$ and $(x+2)$

2. Factor the expression.

$$x^2 - 4x - 12$$

Factors: $(x-6)$ and $(x+2)$

3. Find the zeros of the function.

$$f(x) = x^2 - 4x - 12$$

$$0 = (x-6)(x+2)$$

$$\begin{array}{r} 0 = x - 6 \\ +6 \quad +6 \\ \hline 6 = x \end{array}$$

$$(6, 0)$$

$$\begin{array}{r} 0 = x + 2 \\ -2 \quad -2 \\ \hline -2 = x \end{array}$$

$$(-2, 0)$$

Zeros: $(6, 0)$ and $(-2, 0)$

4. Find the zeros of the function.

$$f(x) = x^2 + 9x + 18$$

$$0 = (x+6)(x+3)$$

$$\begin{array}{r} 0 = x + 6 \\ -6 \quad -6 \\ \hline -6 = x \end{array}$$

$$(-6, 0)$$

$$\begin{array}{r} 0 = x + 3 \\ -3 \quad -3 \\ \hline -3 = x \end{array}$$

$$(-3, 0)$$

Zeros: $(-6, 0)$ and $(-3, 0)$



Quick Check – Form A

Readiness Standard 3 – F.IF.2

Name Key Date _____

Learning Target: I will evaluate linear and non-linear functions.

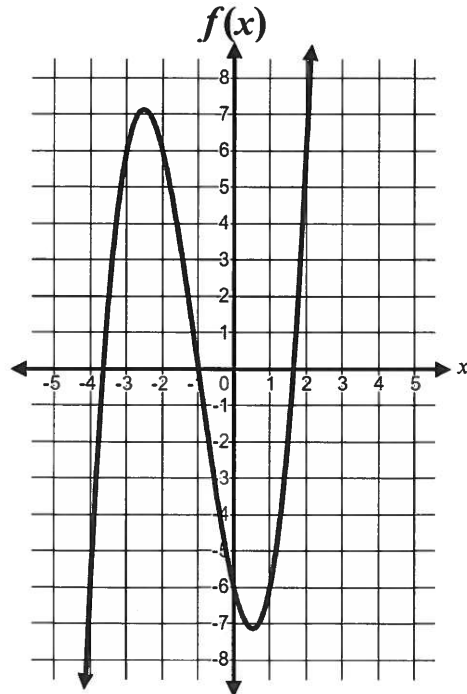
Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

Use the graph to find each value of $f(x)$.

1. $f(0) = \underline{-6}$

2. $f(-2) = \underline{6}$

3. $f(1) = \underline{-6}$



4. For the function $g(x) = x + 5$,
find the value of $g(-3)$.

$$g(-3) = -3 + 5$$

$$g(-3) = 2$$

Answer: 2

5. For the function $h(x) = x^2 - 6$,
find the value of $h(-4)$.

$$h(-4) = (-4)^2 - 6$$

$$= 16 - 6$$

$$= 10$$

Answer: 10



Quick Check – Form B

Readiness Standard 3 – F.IF.2

Name Key Date _____

Learning Target: I will evaluate linear and non-linear functions.

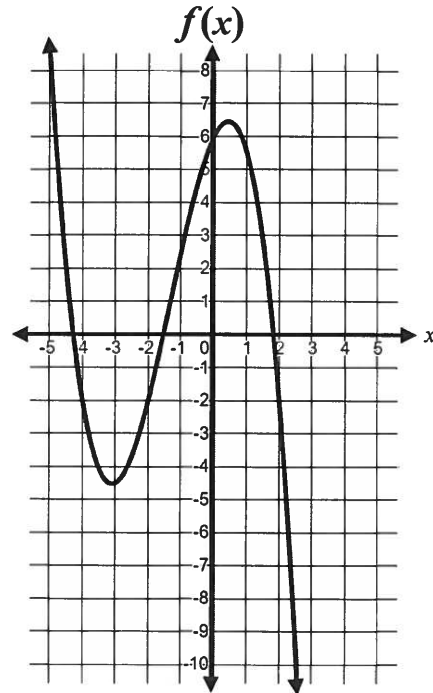
Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

Use the graph to find each value of $f(x)$.

1. $f(0) = \underline{6}$

2. $f(2) = \underline{-2}$

3. $f(-4) = \underline{-2}$



4. For the function $g(x) = x - 6$,
find the value of $g(4)$.

$$\begin{aligned} g(4) &= 4 - 6 \\ &= -2 \end{aligned}$$

Answer: -2

5. For the function $h(x) = x^2 + 7$,
find the value of $h(-5)$.

$$\begin{aligned} h(-5) &= (-5)^2 + 7 \\ &= 25 + 7 \\ &= 32 \end{aligned}$$

Answer: 32



Quick Check – Form C

Readiness Standard 3 – F.IF.2

Name Key _____ Date _____

Learning Target: I will evaluate linear and non-linear functions.

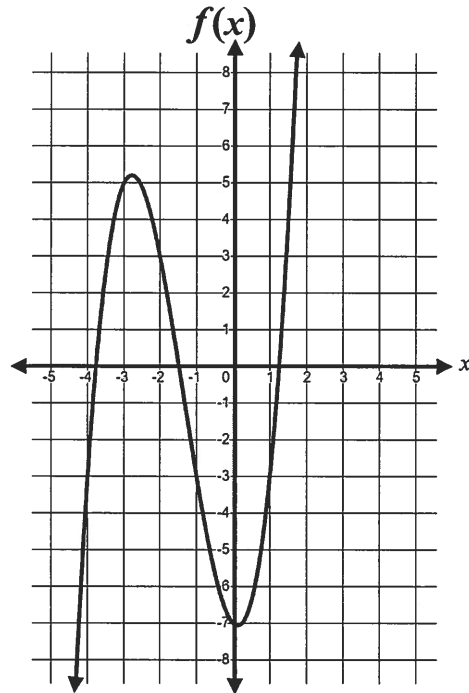
Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

Use the graph to find each value of $f(x)$.

1. $f(0) = \underline{-7}$

2. $f(-3) = \underline{5}$

3. $f(1) = \underline{-3}$



4. For the function $g(x) = x + 7$,
find the value of $g(-2)$.

$$\begin{aligned} g(-2) &= -2 + 7 \\ &= 5 \end{aligned}$$

Answer: 5

5. For the function $h(x) = x^2 - 8$,
find the value of $h(-6)$.

$$\begin{aligned} h(-6) &= (-6)^2 - 8 \\ &= 36 - 8 \\ &= 28 \end{aligned}$$

Answer: 28



Quick Check – Form D

Readiness Standard 3 – F.IF.2

Name Key Date _____

Learning Target: I will evaluate linear and non-linear functions.

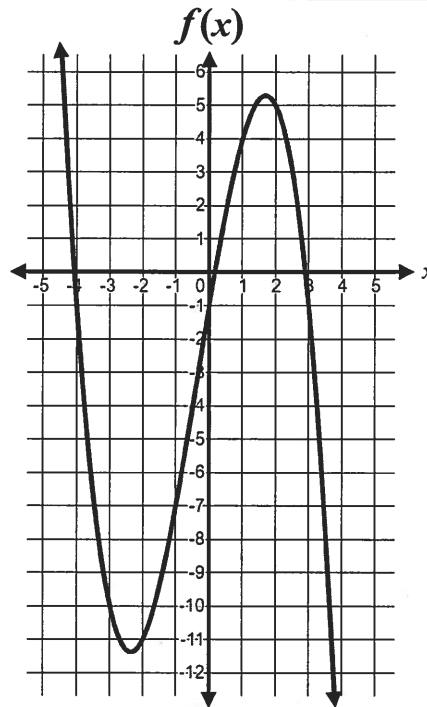
Directions: Circle the answer(s) to each question. (Work time: 4 minutes)

Use the graph to find each value of $f(x)$.

1. $f(0) = \underline{-1}$

2. $f(1) = \underline{4}$

3. $f(-2) = \underline{-11}$



4. For the function $g(x) = x - 8$,
find the value of $g(5)$.

$$\begin{aligned} g(5) &= 5 - 8 \\ &= -3 \end{aligned}$$

Answer: -3

5. For the function $h(x) = x^2 + 9$,
find the value of $h(-7)$.

$$\begin{aligned} h(-7) &= (-7)^2 + 9 \\ &= 49 + 9 \\ &= 58 \end{aligned}$$

Answer: 58



Quick Check – Form A

Readiness Standard 4 – F.LE.1

Name Key Date _____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	1	3	5	7	9

"The function represented in the table is _____."

- linear because the values of x and $f(x)$ always change at a constant rate
- linear because the values of x and $f(x)$ do not always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate

missing
 $x = 4$
which would
go with
 $f(x) = 9$

2. Given the function provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$g(x)$	6	3	0	-3	-9

"The function represented in the table is _____."

- linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- non-linear because the values of x and $g(x)$ do not always change at a constant rate

✓ $x = 3$
 $y = -6$

3. Circle all of the linear functions.

$f(x) = x^3 + 4$

$g(x) = 3x + 4$

$h(x) = 3^x + 4$

$k(x) = x$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 7$

$q(x) = 2x + 7$

$r(x) = 2^x + 7$

$t(x) = x$



Quick Check – Form B

Readiness Standard 4 – F.LE.1

Name Key Date _____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	8	6	4	2	0

$x = 4$
 $y = 0$ NO

"The function represented in the table is _____."

- linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$f(x)$	2	4	6	8	10

$x = 3$
 $y = 10$ NO

"The function represented in the table is _____."

- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate

3. Circle all of the linear functions.

$f(x) = 4x + 5$

$g(x) = x^4 + 5$

$h(x) = x$

$k(x) = 4^x + 5$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 3$

$q(x) = 2x + 3$

$r(x) = 2^x + 3$

$t(x) = x$



Quick Check – Form C

Readiness Standard 4 – F.LE.1

Name Key Date _____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	-4	0	4	8	16

"The function represented in the table is _____."

$x = 4$
 $y = 12$ ✓

- linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-2	-1	0	1	4
$f(x)$	-4	0	4	8	20

"The function represented in the table is _____."

✓ $x = 2$ $x = 3$
 $y = 12$ $y = 16$ ✓

- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- non-linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate

3. Circle all of the linear functions.

$f(x) = x^3 + 4$

$g(x) = 3x + 4$

$h(x) = x$

$k(x) = 3^x + 4$

4. Circle all of the non-linear functions.

$p(x) = 2x + 7$

$q(x) = x$

$r(x) = x^2 + 7$

$t(x) = 2^x + 7$



Quick Check – Form D

Readiness Standard 4 – F.LE.1

Name Key

Date _____

Learning Target: I will determine if a function is linear or non-linear. (Work time: 4 minutes)

1. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	-1	0	1	2	4
$f(x)$	-5	-3	-1	1	3

“The function represented in the table is _____.”

$x=3$
 $y=3$ No

- non-linear because the values of x and $f(x)$ always change at a constant rate
- non-linear because the values of x and $f(x)$ do not always change at a constant rate
- linear because the values of x and $f(x)$ always change at a constant rate
- linear because the values of x and $f(x)$ do not always change at a constant rate

2. Given the function of $f(x)$ provided in the table, circle the answer choice that makes the statement true.

x	0	1	2	3	5
$f(x)$	5	3	1	-1	-5

“The function represented in the table is _____.”

$x=4$
 $y=-3$ ✓

- non-linear because the values of x and $g(x)$ always change at a constant rate
- non-linear because the values of x and $g(x)$ do not always change at a constant rate
- linear because the values of x and $g(x)$ always change at a constant rate
- linear because the values of x and $g(x)$ do not always change at a constant rate

3. Circle all of the linear functions.

$f(x) = 4^x + 5$

$g(x) = 4x$

$h(x) = x^4 + 5$

$k(x) = x + 4$

4. Circle all of the non-linear functions.

$p(x) = x^2 + 6$

$q(x) = 2x + 6$

$r(x) = x + 6$

$t(x) = 2^x$



Quick Check – Form A

Readiness Standard 5 - A.CED.2

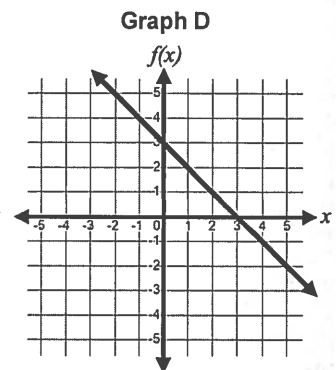
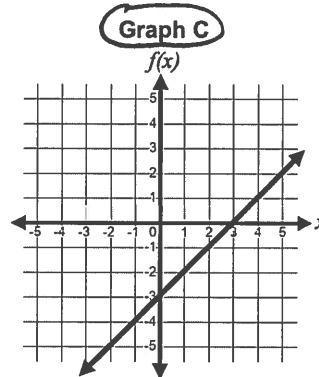
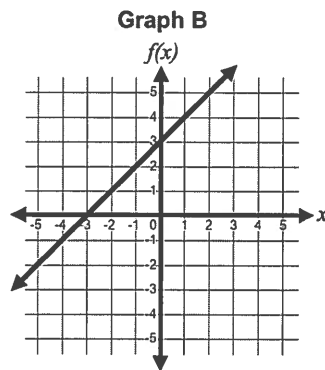
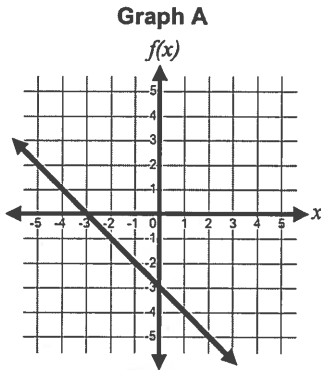
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

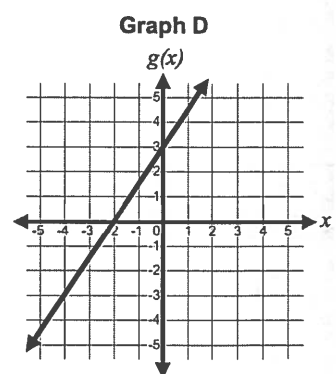
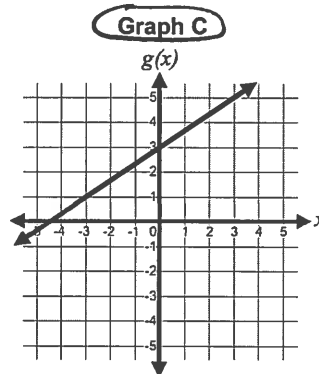
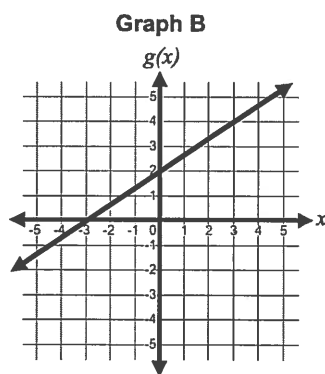
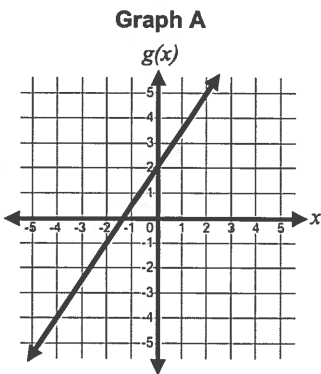
1. The function $f(x) = x - 3$ could be represented by which graph?

1. C



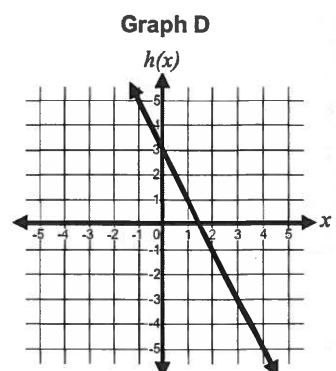
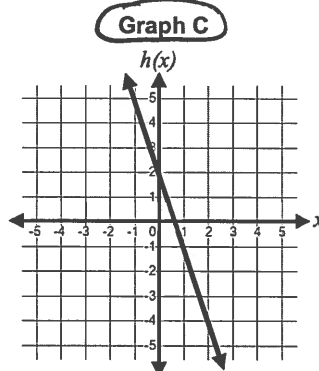
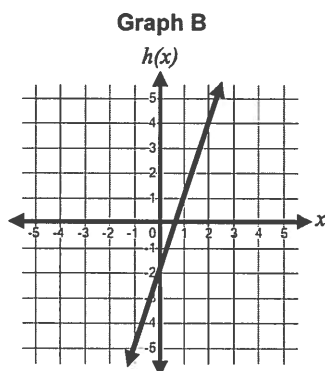
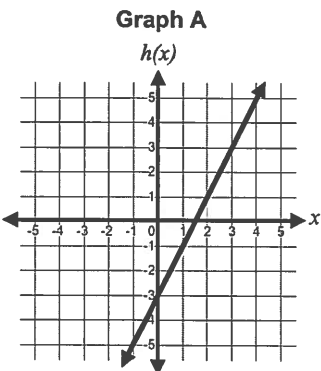
2. The function $g(x) = \frac{2}{3}x + 3$ could be represented by which graph?

2. C



3. The function $h(x) = -3x + 2$ could be represented by which graph?

3. C





Quick Check – Form A

Readiness Standard 5 - A.CED.2 (Continued)

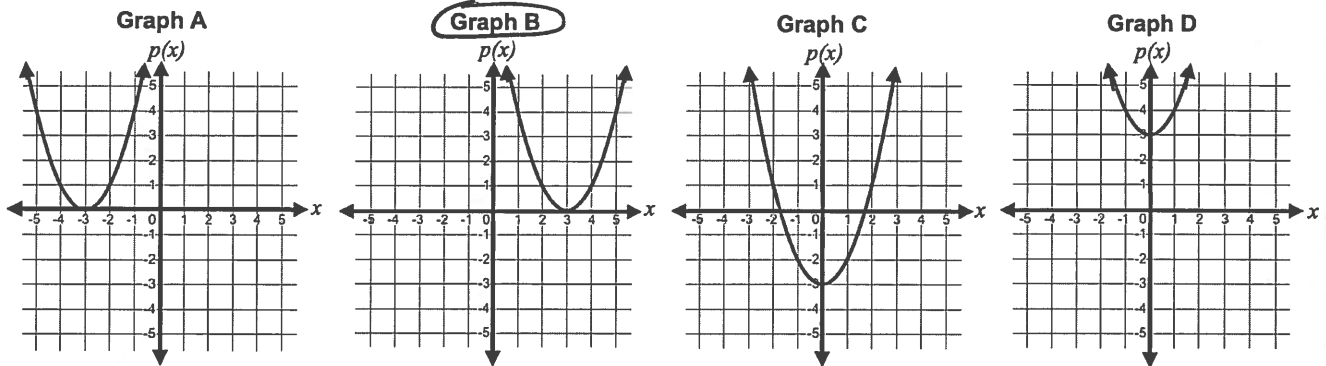
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

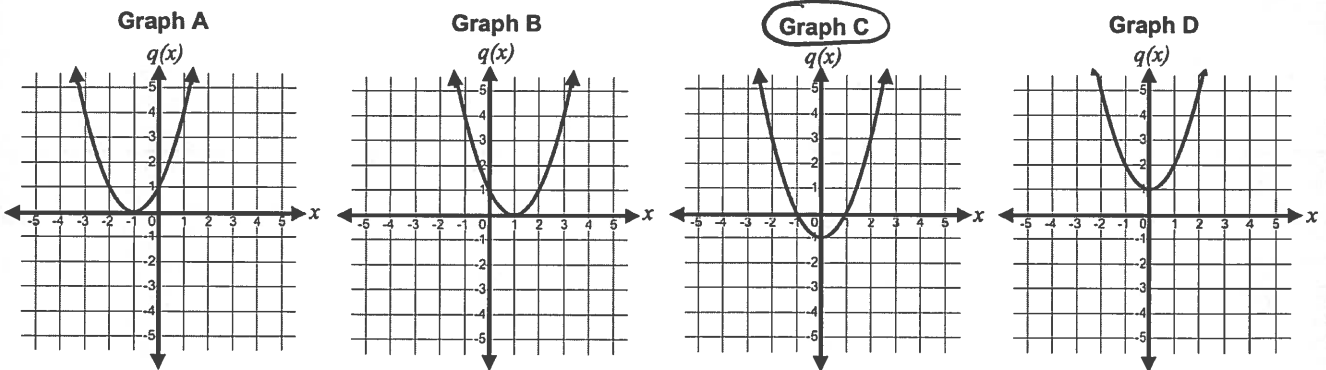
4. The function $p(x) = (x - 3)^2$ could be represented by which graph?

4. B



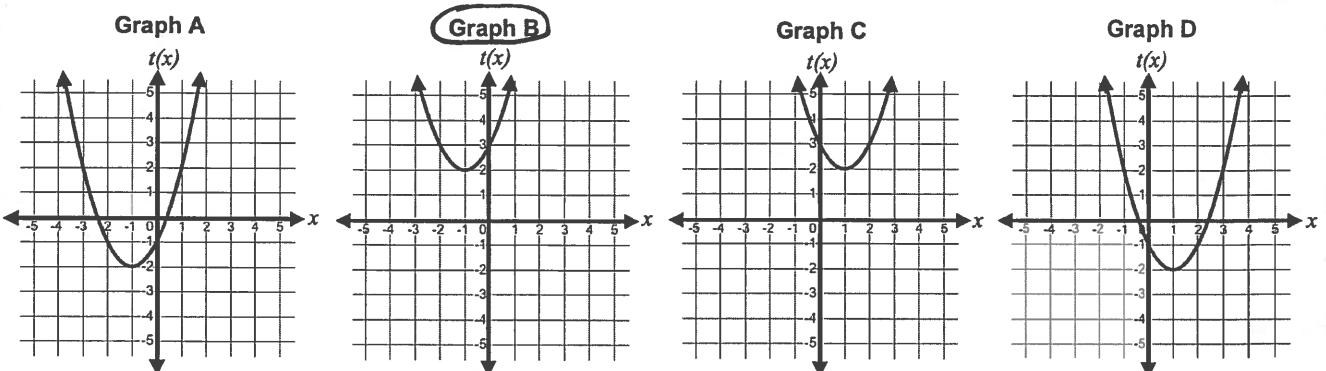
5. The function $q(x) = x^2 - 1$ could be represented by which graph?

5. C



6. The function $t(x) = (x + 1)^2 + 2$ could be represented by which graph?

6. B





Quick Check – Form B

Readiness Standard 5 - A.CED.2

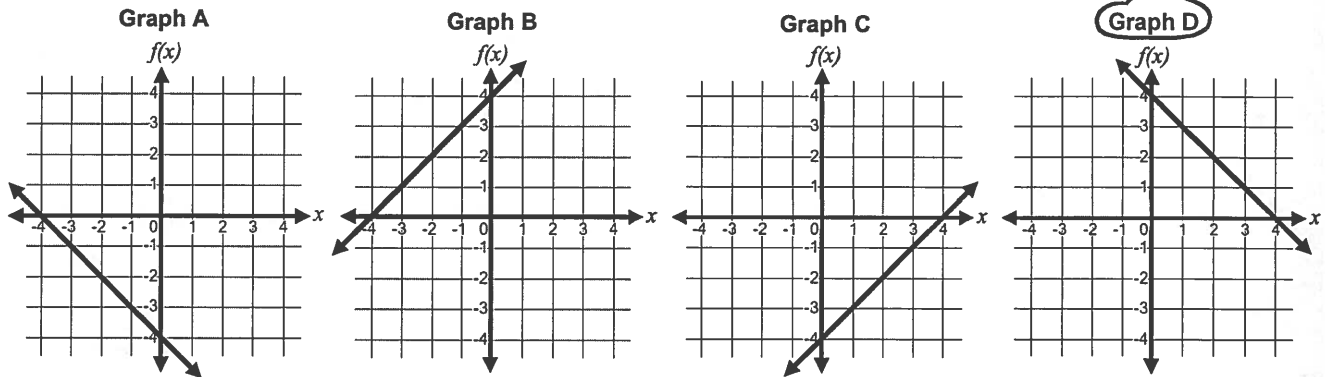
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

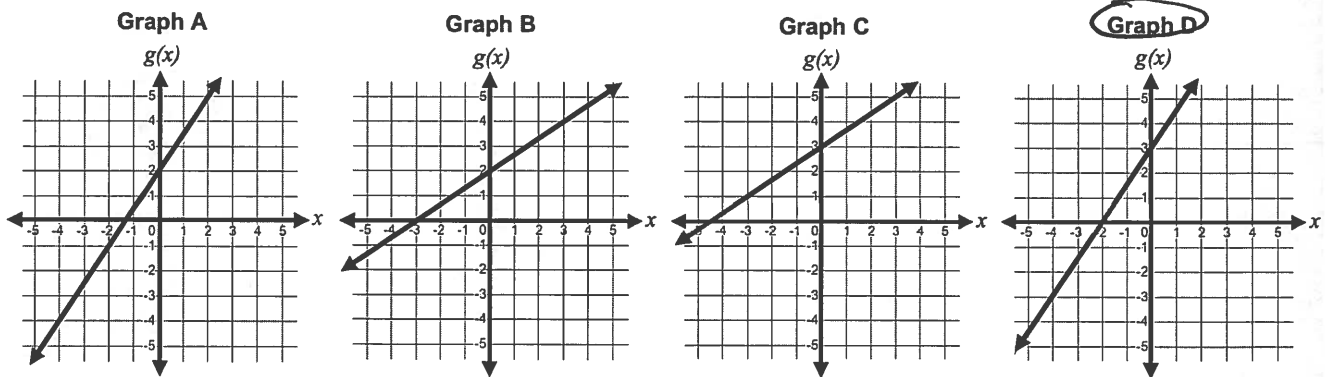
1. The function $f(x) = -x + 4$ could be represented by which graph?

1. D



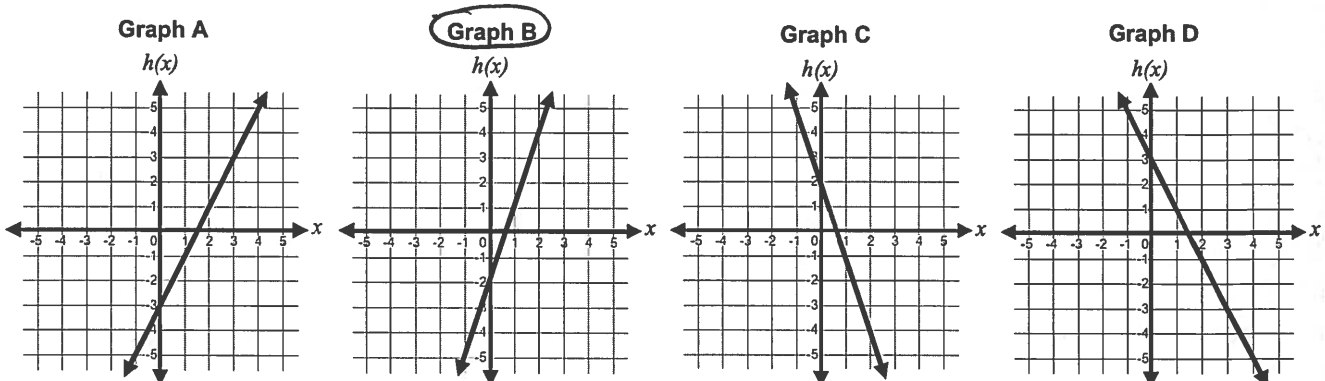
2. The function $g(x) = \frac{3}{2}x + 3$ could be represented by which graph?

2. D



3. The function $h(x) = 3x - 2$ could be represented by which graph?

3. B





Quick Check – Form B

Readiness Standard 5 - A.CED.2 (Continued)

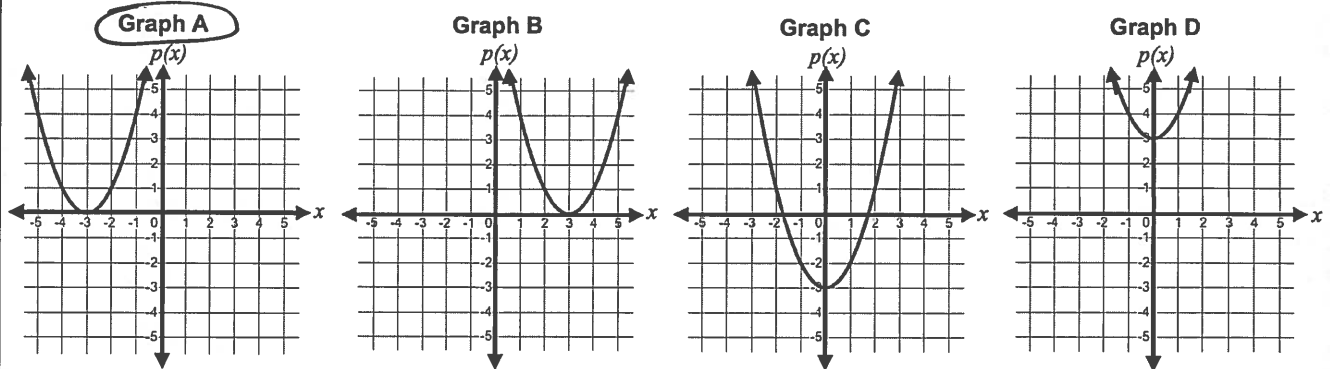
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

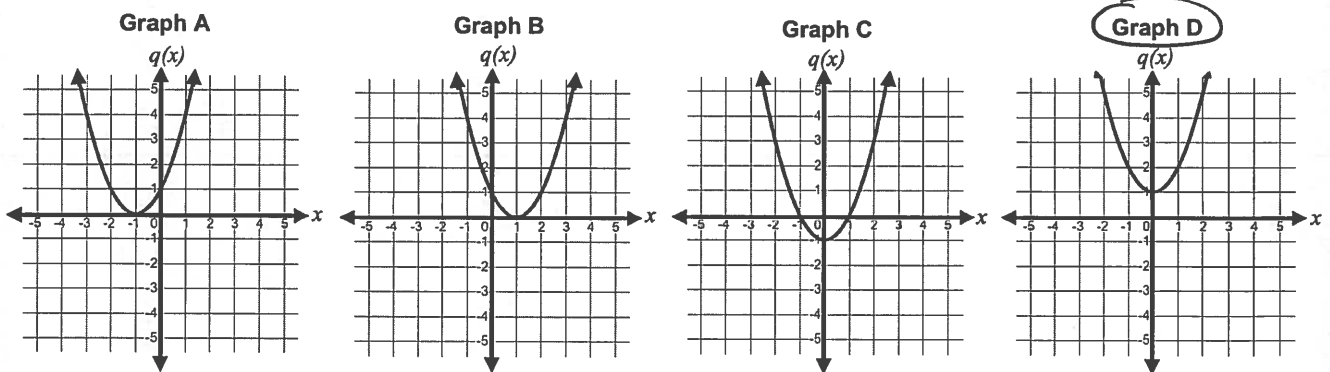
4. The function $p(x) = (x + 3)^2$ could be represented by which graph?

4. A



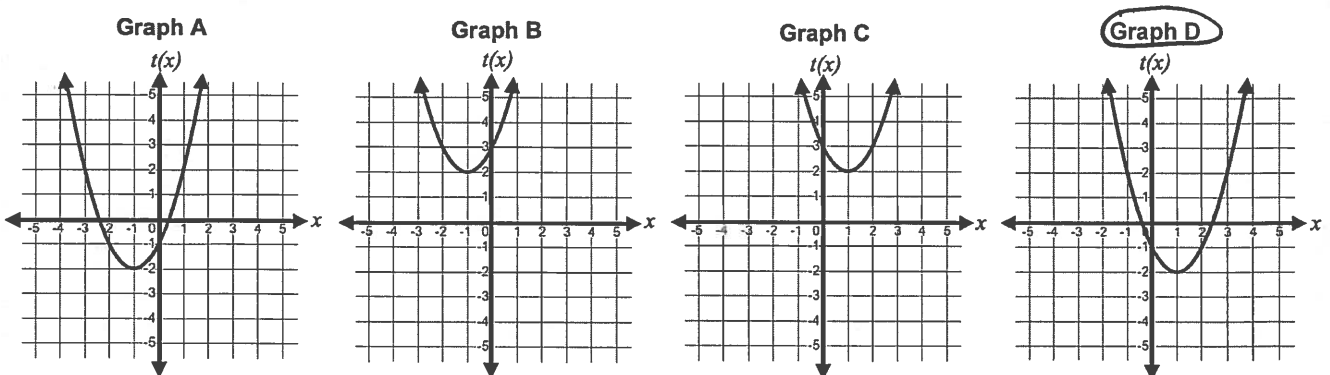
5. The function $q(x) = x^2 + 1$ could be represented by which graph?

5. D



6. The function $t(x) = (x - 1)^2 - 2$ could be represented by which graph?

6. D





Quick Check – Form C

Readiness Standard 5 - A.CED.2

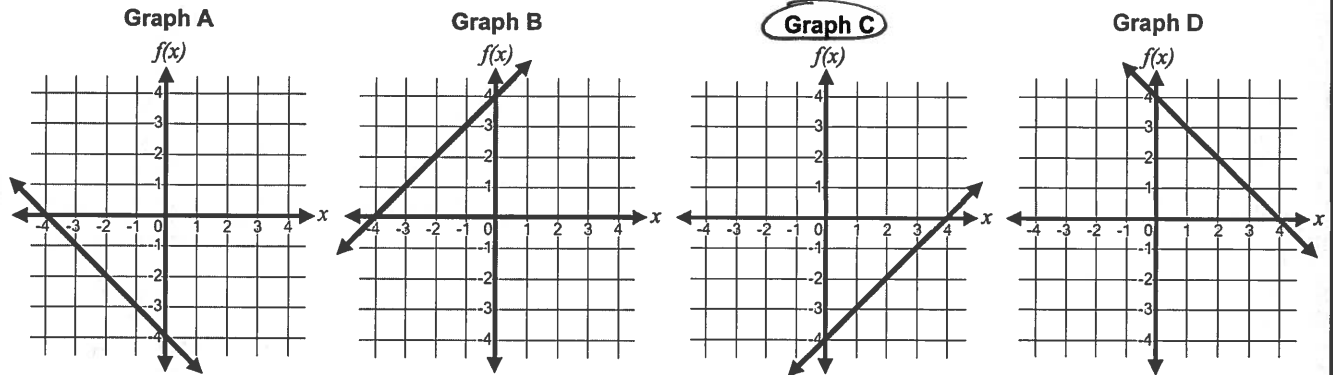
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

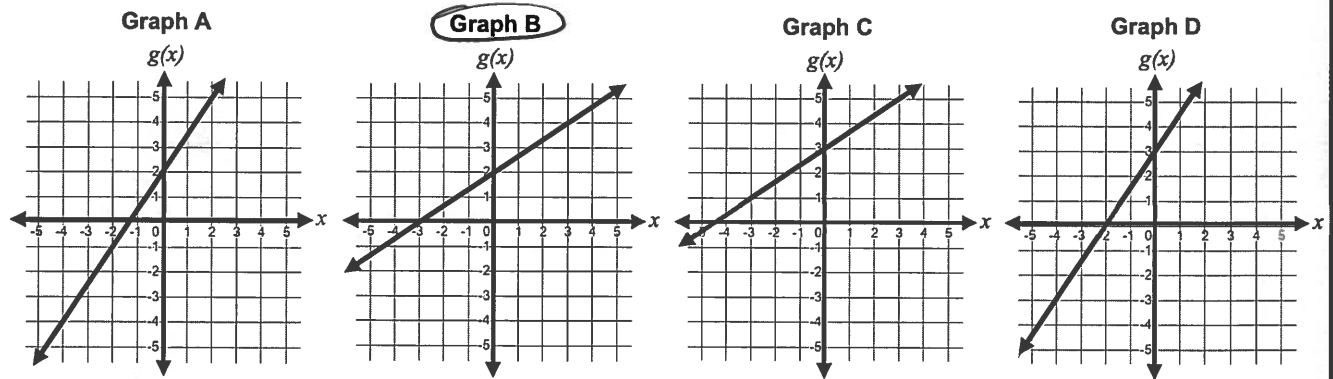
1. The function $f(x) = x - 4$ could be represented by which graph?

1. C



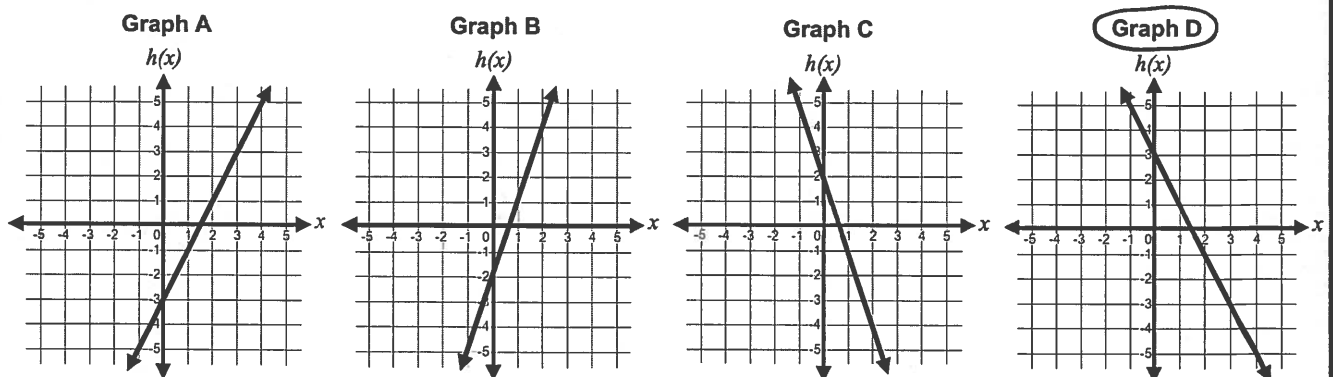
2. The function $g(x) = \frac{2}{3}x + 2$ could be represented by which graph?

2. B



3. The function $h(x) = -2x + 3$ could be represented by which graph?

3. D



Quick Check – Form C

Readiness Standard 5 - A.CED.2 (Continued)

Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

4. The function $p(x) = x^2 - 3$ could be represented by which graph? 4. C

Graph A

Graph B

Graph C

Graph D

5. The function $q(x) = (x - 1)^2$ could be represented by which graph? 5. B

Graph A

Graph B

Graph C

Graph D

6. The function $t(x) = (x - 1)^2 + 2$ could be represented by which graph? 6. C

Graph A

Graph B

Graph C

Graph D



Quick Check – Form D

Readiness Standard 5 - A.CED.2

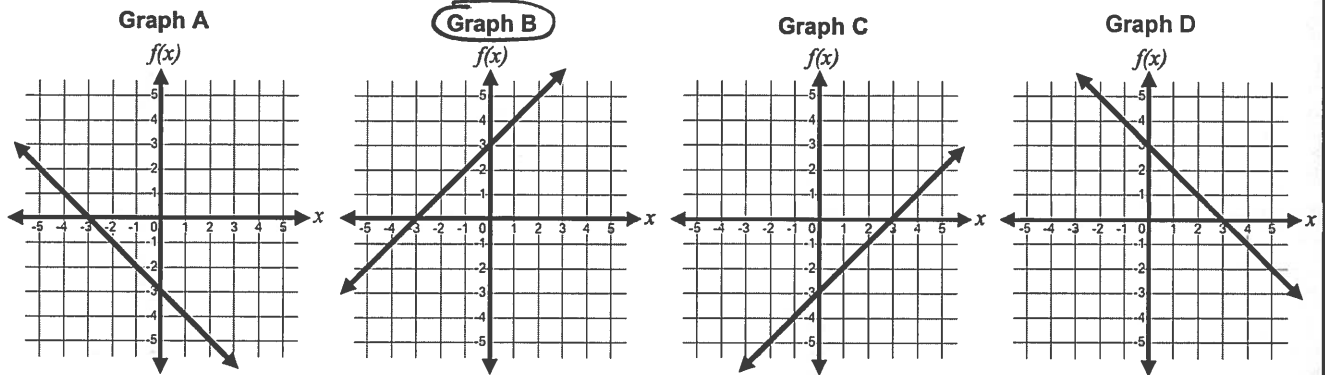
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

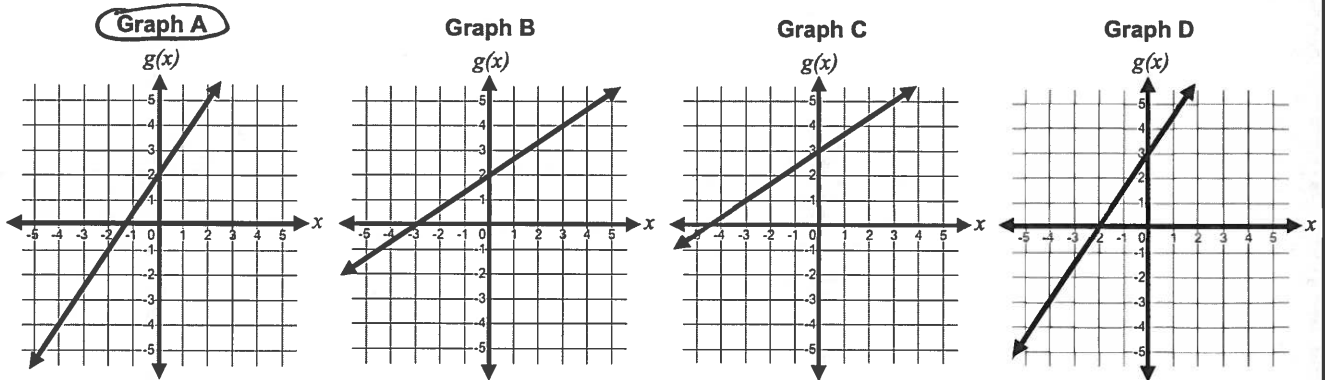
1. The function $f(x) = -x + 3$ could be represented by which graph?

1. B



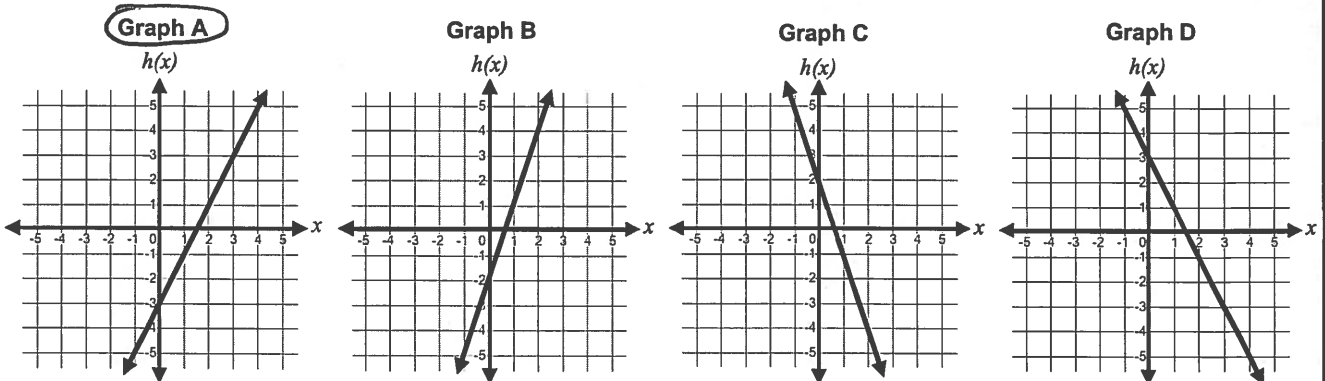
2. The function $g(x) = \frac{3}{2}x + 2$ could be represented by which graph?

2. A



3. The function $h(x) = 2x - 3$ could be represented by which graph?

3. A



Quick Check – Form D

Readiness Standard 5 - A.CED.2 (Continued)

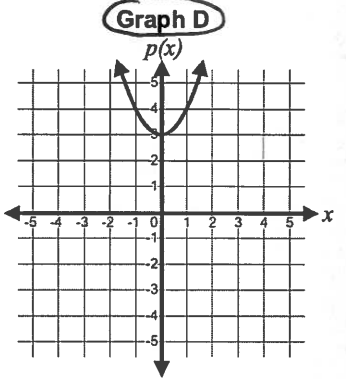
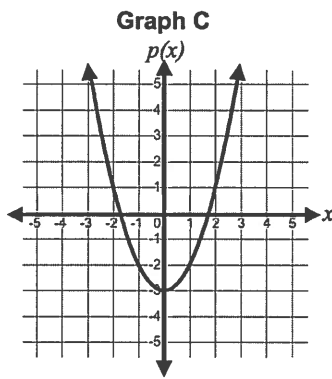
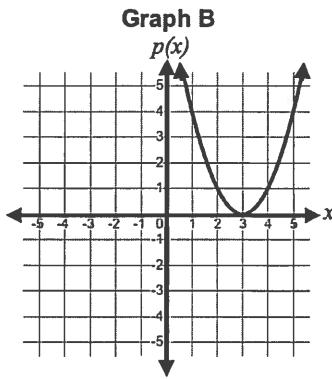
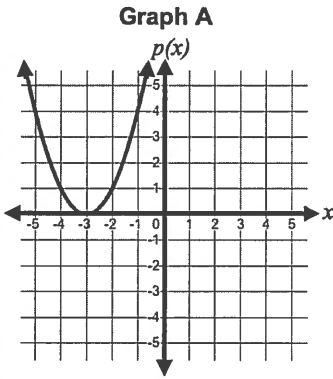
Name Key

Date _____

Learning Target: I will identify the graph of linear and non-linear functions. (Work time: 5 minutes)

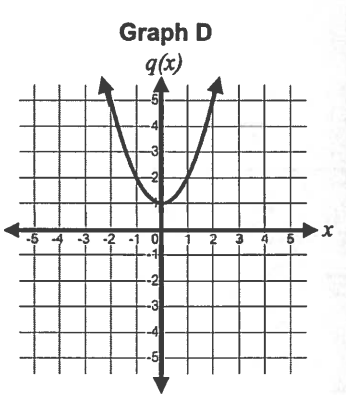
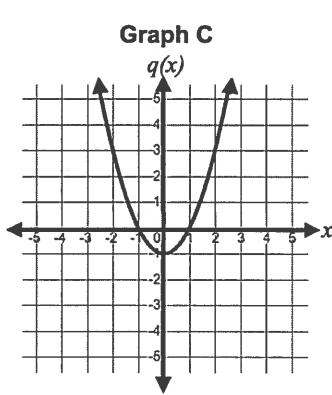
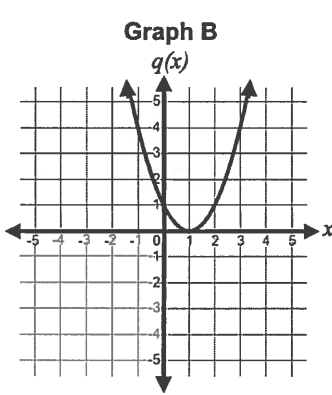
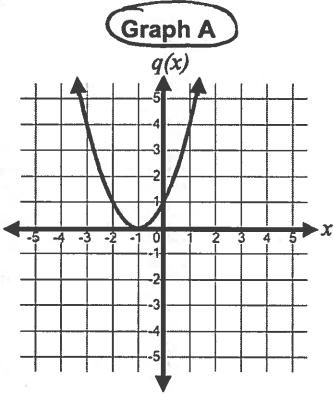
4. The function $p(x) = x^2 + 3$ could be represented by which graph?

4. D



5. The function $q(x) = (x + 1)^2$ could be represented by which graph?

5. A



6. The function $t(x) = (x + 1)^2 - 2$ could be represented by which graph?

6. A

