



Name \_\_\_\_\_ Date \_\_\_\_\_

# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

Questions 1-3: Add and subtract the integers.

1.

$$(-7) + 4$$

Answer: \_\_\_\_\_

2.

$$-9 - 4$$

Answer: \_\_\_\_\_

3.

$$5 - (-7)$$

Answer: \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.



# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

(continued)

Questions 4-6: Multiply and divide the integers.

4.

$$-4 \times 7$$

Answer: \_\_\_\_\_

5.

$$-4(-6)$$

Answer: \_\_\_\_\_

6.

$$-56 \div 8$$

Answer: \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.



# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

(continued)

Questions 7-9: Find the equivalent expression.

7.

$$(2x + 3) + (x + 5)$$

- $3x + 5$         $3x + 8$         $2x + 5$         $2x + 8$

8.

$$(6x + 9) - (4x + 6)$$

- $10x + 15$         $2x + 15$         $10x + 3$         $2x + 3$

9.

$$(10x + 2) - (8x - 4)$$

- $2x - 2$         $2x + 6$         $18x + 6$         $18x - 2$



Please stop, put your pencil down and wait for the next directions.



# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

(continued)

Questions 10-12: Find the equivalent expression.

**10.**

$$4(x + 6)$$

- $4x + 24$         $4x + 6$         $24x$         $x + 24$

**11.**

$$8(5x + 2)$$

- $40x + 2$         $40x + 16$         $56x$         $5x + 16$

**12.**

$$3(4x + 6) + x$$

- $13x + 6$         $12x + 18$         $31x$         $13x + 18$



Please stop, put your pencil down and wait for the next directions.



# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

(continued)

Questions 13-15: Find the equivalent expression.

13.

$$5x + 30$$

- $5(x + 6)$       $5(x + 30)$       $35x$       $5x + 6$

14.

$$12x - 4$$

- $-4(3x + 1)$       $4(3x - 1)$       $8x$       $4(8x - 1)$

15.

$$6x + 15$$

- $6(x + 9)$       $3(3x + 12)$       $21x$       $3(2x + 5)$



Please stop, put your pencil down and wait for the next directions.



# 8<sup>th</sup> Grade Readiness: Summer Pre-Assessment

(continued)

Questions 16-18: Solve the equation.

16.

$$14 = 2x - 6$$

$x =$  \_\_\_\_\_

17.

$$3(x + 2) = 15$$

$x =$  \_\_\_\_\_

18.

$$\frac{1}{4}x + 2 = 10$$

$x =$  \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.