



Name _____ Date _____

8th Grade Readiness Screener - Winter

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.



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(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.



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(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.



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(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.



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(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.

$$6x + 15$$

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



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(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.