



Name _____ Date _____

8th Grade Readiness: Winter Progress

Questions 1-3: Add and subtract the integers.

1.

$$(-6) + 4$$

Answer: _____

2.

$$-8 - 3$$

Answer: _____

3.

$$6 - (-8)$$

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.

$$-3 \times 8$$

Answer: _____

5.

$$-7(-3)$$

Answer: _____

6.

$$-28 \div -4$$

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.

$$(3x + 2) + (x + 6)$$

- $4x + 8$ $3x + 8$ $4x + 12$ $3x + 12$

8.

$$(9x + 6) - (4x + 2)$$

- $5x + 8$ $13x + 4$ $5x + 4$ $13x + 8$

9.

$$(5x + 4) - (2x - 3)$$

- $3x + 7$ $3x + 1$ $7x + 1$ $7x + 7$



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.

$$5(x + 3)$$

- $5x + 15$ $5x + 3$ $15x$ $x + 15$

11.

$$9(7x + 4)$$

- $7x + 36$ $63x + 36$ $99x$ $63x + 4$

12.

$$5(3x + 7) + x$$

- $16x + 35$ $15x + 35$ $23x$ $16x + 7$



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.

$$4x + 28$$

- $4(x + 7)$ $4(x + 28)$ $32x$ $4x + 7$

14.

$$18x - 3$$

- $-3(6x + 1)$ $3(6x - 1)$ $15x$ $3(15x - 1)$

15.

$$6x + 10$$

- $2(3x + 5)$ $2(3x + 10)$ $16x$ $6(x + 4)$



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



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(continued)

Questions 16-18: Solve the equation.

16.

$$8 = 2x - 4$$

Answer: _____

17.

$$3(x + 5) = 21$$

Answer: _____

18.

$$\frac{1}{4}x + 5 = 7$$

Answer: _____



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