



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

## 8<sup>th</sup> 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.

$$9(7x + 4)$$

- ☐  $63x + 4$       ☐  $47x + 36$       ☐  $99x$       ☐  $63x + 36$

12.

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

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



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.

$$6x + 15$$

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



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



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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.