



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

## 8<sup>th</sup> Grade Readiness Screener - Spring

Questions 1-3: Add and subtract the integers.

1.

$$(-8) + 3$$

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

2.

$$-2 - 6$$

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

3.

$$2 - (-8)$$

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.

$$9 \times -4$$

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

5.

$$-6(-5)$$

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

6.

$$48 \div -6$$

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.

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

- $3x + 7$         $3x + 12$         $2x + 12$         $2x + 7$

8.

$$(9x + 6) - (2x + 1)$$

- $11x + 5$         $7x + 7$         $11x + 7$         $7x + 5$

9.

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

- $7x - 7$         $10x - 12$         $3x + 1$         $3x + 7$



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.**

$$7(x + 3)$$

- $7x + 3$         $7x + 21$         $21x$         $x + 21$

**11.**

$$4(6x + 2)$$

- $6x + 8$         $24x + 2$         $32x$         $24x + 8$

**12.**

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

- $10x + 20$         $11x + 20$         $31x$         $11x + 4$



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.

$$4x + 20$$

- $4(x + 20)$      $4(x + 5)$      $24x$      $4x + 5$

14.

$$24x - 3$$

- $-3(8x + 1)$      $3(8x - 1)$      $21x$      $3(21x - 1)$

15.

$$15x + 35$$

- $15(x + 20)$      $5(3x + 7)$      $50x$      $5(10x + 30)$



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



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(continued)

Questions 16-18: Solve the equation.

16.

$$12 = 3x - 6$$

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

17.

$$4(x + 3) = 20$$

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

18.

$$\frac{1}{2}x + 3 = 9$$

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



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