



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

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

Questions 1-3: Add and subtract the integers.

1.

$$(-5) + 3$$

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

2.

$$-7 - 2$$

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

3.

$$4 - (-6)$$

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.

$$-6 \times 2$$

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

5.

$$-3(-5)$$

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

6.

$$-42 \div 6$$

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.

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

- $5x + 7$         $4x + 5$         $4x + 7$         $5x + 5$

8.

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

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

9.

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

- $5x - 1$         $3x + 1$         $5x + 5$         $3x + 5$



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.**

$$3(x + 2)$$

- $3x + 2$         $3x + 6$         $6x$         $x + 6$

**11.**

$$7(6x + 3)$$

- $42x + 21$         $42x + 3$         $63x$         $6x + 21$

**12.**

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

- $9x + 8$         $8x + 32$         $41x$         $9x + 32$



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.

$$6x + 18$$

- $6(x + 3)$       $6(x + 18)$       $24x$       $6x + 3$

14.

$$20x - 5$$

- $-5(4x + 1)$       $5(4x - 1)$       $15x$       $5(15x - 1)$

15.

$$8x + 12$$

- $8(x + 4)$       $4(4x + 8)$       $20x$       $4(2x + 3)$



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



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(continued)

Questions 16-18: Solve the equation.

16.

$$18 = 3x - 6$$

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

17.

$$2(x + 3) = 14$$

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

18.

$$\frac{1}{3}x + 2 = 8$$

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



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