Name _____ Date _____

7th Grade Readiness Screener - Winter

Questions 1-3: Multiply and divide fractions.

1.

$$\frac{2}{5} \times \frac{3}{4}$$

Answer: _____

2.

$$\frac{2}{3} \div \frac{4}{5}$$

Answer: _____

3.

$$\frac{5}{6} \div \frac{1}{3}$$

Answer: _____

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

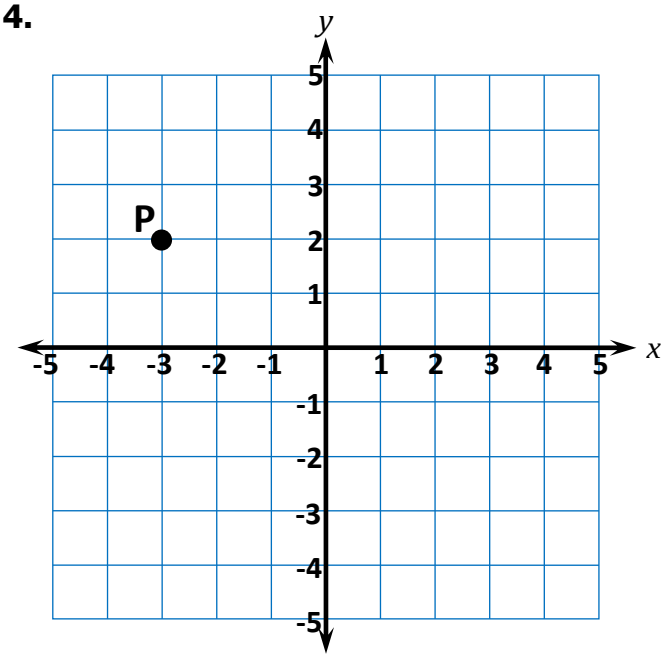
Number Correct = _____

7th Grade Readiness Screener - Winter

(continued)

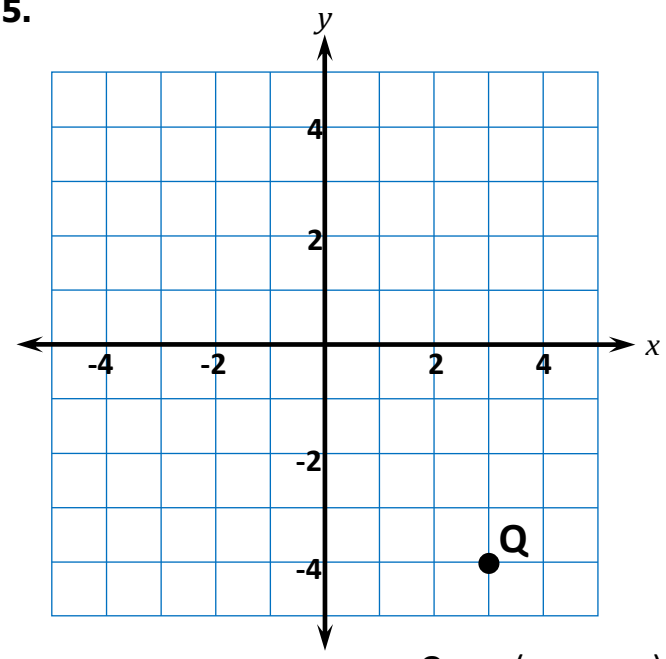
Questions 4-6: Write the ordered pair for the point.

4.



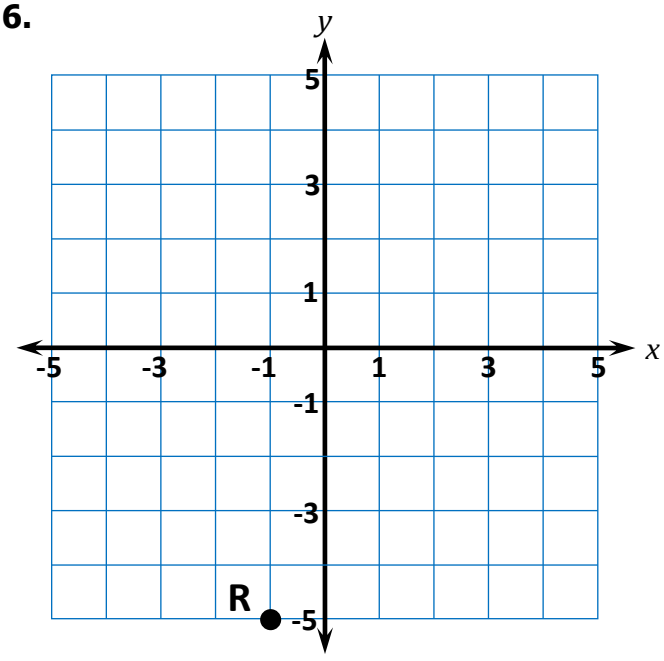
P = (,)

5.



Q = (,)

6.



R = (,)

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

Number Correct = _____

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(continued)

Questions 7-9: Find the equivalent expression.

7.

The product of x and 6, decreased by 2

○ $6x - 2$ ○ $6(x - 2)$ ○ $2x - 6$ ○ $x + 6 - 2$

8.

3 more than 5 times x

○ $3x + 5$ ○ $5x + 3$ ○ $5(x + 3)$ ○ $3(5 + x)$

9.

4 times the quantity of x minus 6

○ $6x - 4$ ○ $6(x - 4)$ ○ $4x - 6$ ○ $4(x - 6)$

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

Number Correct = _____

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(continued)

Questions 10-12: Evaluate the expression for the given value of x.

10. Evaluate $5x + 2$ for $x = 3$.

Answer: _____

11. Evaluate $x^2 + 6$ for $x = 4$.

Answer: _____

12. Evaluate $13 - 2x$ for $x = 3$.

Answer: _____

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

Number Correct = _____

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(continued)

Questions 13-15: Find the equivalent expression.

13.

$$x + x + x + x$$

○ $4x^4$ ○ $x + 4$ ○ x^4 ○ $4x$

14.

$$4x + 3 + 2x$$

○ $6x + 3$ ○ $9x$ ○ $9x^2$ ○ $4x + 5$

15.

$$3(x + 4)$$

○ $3x + 4$ ○ $3x + 12$ ○ $x^3 + 7$ ○ $x + 12$

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

Number Correct = _____

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(continued)

Questions 16-18: Solve the equation.

16.

$$x + 5 = 10$$

x = _____

17.

$$24 = 4x$$

x = _____

18.

$$\frac{1}{4}x = 8$$

x = _____

STOP

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

Number Correct = _____