Name _____ Date _____

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Answer Key

Questions 1-3: Evaluate the expression.

1.

$$3 \times (2 + 5)$$

Answer: 21

2.

$$8 - (4 - 1)$$

Answer: 5

3.

$$(6 - 2) \times (3 + 4)$$

Answer: 28

STOP

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

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(continued)

Questions 4-6: Multiply the multi-digit numbers.

4.

$$\begin{array}{r} 3628 \\ \times \quad 4 \\ \hline \end{array}$$

Answer: 14512

5.

$$\begin{array}{r} 57 \\ \times 26 \\ \hline \end{array}$$

Answer: 1482

6.

$$\begin{array}{r} 724 \\ \times 15 \\ \hline \end{array}$$

Answer: 10860

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(continued)

Questions 7-9: Divide the multi-digit numbers.

7.

$6\overline{)2,304}$

Answer: 384

8.

$3\overline{)7,551}$

Answer: 2517

9.

$14\overline{)2,492}$

Answer: 178

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(continued)

Questions 10-12: Add and subtract the mixed numbers.

10.

$$2\frac{3}{4} + 1\frac{3}{5}$$

Answer: 4 7/20

11.

$$7 - 2\frac{3}{5}$$

Answer: 4 2/5

12.

$$8\frac{2}{5} - 3\frac{1}{2}$$

Answer: 4 9/10

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(continued)

Questions 13-15: Multiply the fractions.

13.

$$\frac{1}{3} \times \frac{2}{5}$$

Answer: 2/15

14.

$$\frac{7}{8} \times \frac{3}{5}$$

Answer: 21/40

15.

$$\frac{3}{4} \times \frac{2}{7}$$

Answer: 3/14

STOP

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(continued)

Questions 16-18: Divide the fractions by whole numbers.

16.

$$\frac{1}{9} \div 3$$

Answer: 1/27

17.

$$\frac{1}{4} \div 8$$

Answer: 1/32

18.

$$\frac{1}{10} \div 2$$

Answer: 1/20

STOP

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(continued)

Questions 19-21: Write the answer to each division problem.

19.

$$6 \div \frac{1}{4}$$

Answer: 24

20.

$$8 \div \frac{1}{2}$$

Answer: 16

21.

$$7 \div \frac{1}{4}$$

Answer: 28/1

STOP

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(continued)

Questions 22-24: Multiply and divide fractions.

22.

$$\frac{2}{3} \times \frac{5}{6}$$

Answer: 5/9

23.

$$\frac{3}{4} \div \frac{5}{7}$$

Answer: 21/20

24.

$$\frac{7}{8} \div \frac{1}{2}$$

Answer: 7/4

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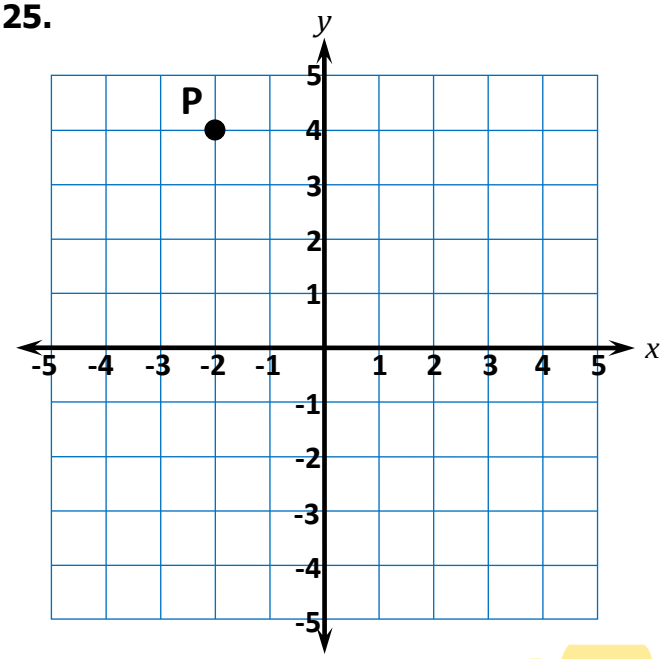
(continued)

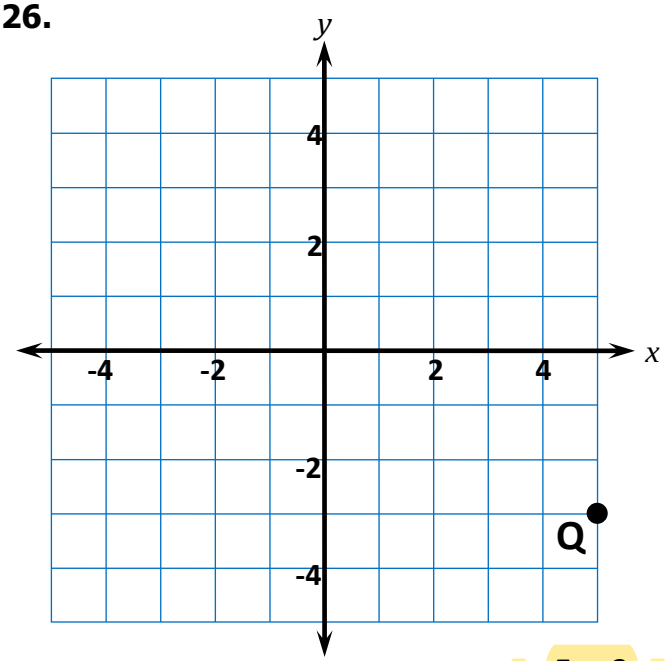
Questions 25-27: Write the ordered pair for the point.

25.



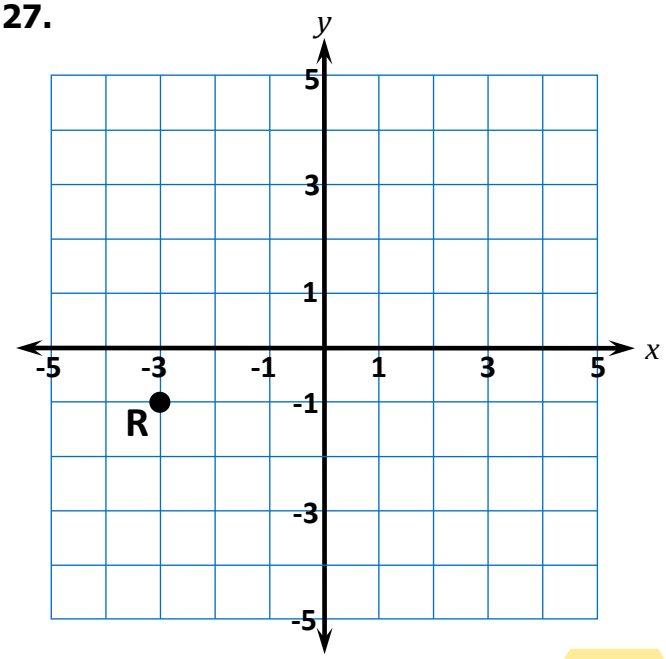
P = (-2 , 4)

26.



Q = (5 , -3)

27.



R = (-3 , -1)

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(continued)

Questions 28-30: Find the equivalent expression.

28.

The product of x and 5, plus 2

○ $2x + 5$ ○ $5(x + 2)$ ○ $5x + 2$ ○ $x + 5 + 2$

29.

4 less than 6 times x

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

30.

2 times the quantity of x plus 7

○ $7(x + 2)$ ○ $2(x + 7)$ ○ $2x + 7$ ○ $7x + 2$

STOP

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(continued)

Questions 31-33: Evaluate the expression for the given value of x.

31. Evaluate $4x + 3$ for $x = 2$.

Answer: 11

32. Evaluate $x^2 + 5$ for $x = 3$.

Answer: 14

33. Evaluate $20 - 3x$ for $x = 4$.

Answer: 8

STOP

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(continued)

Questions 34-36: Find the equivalent expression.

34.

$$x + x + x$$

○ $x + 3$ ○ $3x$ ○ x^3 ○ $3x^3$

35.

$$6x + 2 + 3x$$

○ $6x + 5$ ○ $9x + 2$ ○ $11x^2$ ○ $11x$

36.

$$2(x + 3)$$

○ $2x + 6$ ○ $x + 6$ ○ $x^2 + 6$ ○ $2x + 3$

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Questions 37-39: Solve the equation.

37.

$$x + 4 = 12$$

$x =$ 8

38.

$$12 = 3x$$

$x =$ 4

39.

$$\frac{1}{3}x = 6$$

$x =$ 18

STOP

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