Name: _____

7th Grade Weekly Math Review Week 22

Solve each problem. Show your work.

1. $6 + 2 \times 3 =$ _____

2. 5% of 200 = _____

3. $7x + 8x - 7 =$ _____

4. 1/2 miles in 1/3 hour. Find the unit rate.

   Answer: _____

5. $2(x + 9) =$ _____

6. y is proportional to x. When x = 12, y = 9. Find the constant of proportionality k and write the equation.

   Answer: _____

7. Mia earns $28 for 7 hours of babysitting. What is the constant of proportionality?

   Answer: _____

8. $5.1 + (-7.5) =$ _____

9. Solve the inequality: $x + 6 \geq 31$

   Answer: _____

10. $7x + 10 = 66$ x = _____

11. $3x + 14 = -1$ x = _____

12. $8x + 5 = 69$ x = _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 22

Solve each problem. Show your work.

1. $6 + 2 \times 3 =$ 12

2. 5% of 200 = 10

3. $7x + 8x - 7 =$ $15x - 7$

4. 1/2 miles in 1/3 hour. Find the unit rate.

   Answer: $1\frac{1}{2}$ miles per hour

5. $2(x + 9) =$ $2x + 18$

6. y is proportional to x. When x = 12, y = 9. Find the constant of proportionality k and write the equation.

   Answer: $k = \frac{3}{4}$, $y = \frac{3}{4}x$

7. Mia earns $28 for 7 hours of babysitting. What is the constant of proportionality?

   Answer: 4 dollars per hour

8. $5.1 + (-7.5) =$ -2.4

9. Solve the inequality: $x + 6 \geq 31$

   Answer: $x \geq 25$

10. $7x + 10 = 66$ $x =$ 8

11. $3x + 14 = -1$ $x =$ -5

12. $8x + 5 = 69$ $x =$ 8