Name: _____

8th Grade Weekly Math Review Week 14

Solve each problem. Show your work.

1. $9(x - 5) =$ _____

2. $2x + 7x - 2 =$ _____

3. $x^2 = 4 \quad x =$ _____

4. $\frac{x}{3} - 8 = -5 \quad x =$ _____

5. $4^{-1} =$ _____

6. $2.7 \times 10^{-2} =$ _____

7. Solve the system: $y = 2x - 4$ and $2x - y = 4$

   Solution: _____

8. $4x + 2x - 8 = 52 \quad x =$ _____

9. $(-3, 2)$ and $(-2, -2) \quad m =$ _____

10. $1x + 3y = 9 =$ _____

11. $y = 3x + 1 =$ _____

12. $(5, 0)$ and $(3, -4) \quad m =$ _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 14

Solve each problem. Show your work.

1. $9(x - 5) =$ $9x - 45$

2. $2x + 7x - 2 =$ $9x - 2$

3. $x^2 = 4$ $x =$ ± 2

4. $\frac{x}{3} - 8 = -5$ $x =$ 9

5. $4^{-1} =$ $\frac{1}{4}$

6. $2.7 \times 10^{-2} =$ 0.027

7. Solve the system: $y = 2x - 4$ and $2x - y = 4$

   Solution: $(0, -4)$

8. $4x + 2x - 8 = 52$ $x =$ 10

9. $(-3, 2)$ and $(-2, -2)$ $m =$ -4

10. $1x + 3y = 9 =$ $m = -1/3, b = 3$

11. $y = 3x + 1 =$ $m = 3, b = 1$

12. $(5, 0)$ and $(3, -4)$ $m =$ 2