Name: _____

8th Grade Weekly Math Review Week 11

Solve each problem. Show your work.

1. $4(x - 8) =$ _____

2. $(-2) \times (-4) =$ _____

3. $3(x + 3) - 3 = 24 \quad x =$ _____

4. $(y^5)^4 =$ _____

5. $6.6 \times 10^5 =$ _____

6. $3x - 1 = 6x - 16 \quad x =$ _____

7. $5(x + 3) - 3 = 27 \quad x =$ _____

8. $10^8 \div 10^3 =$ _____

9. Solve the system: $3x + y = 11$ and $x - y = -3$

   Solution: _____

10. Solve the system: $y = -2x - 2$ and $5x - y = -5$

    Solution: _____

11. Solve the system: $x + y = -5$ and $3x - y = -3$

    Solution: _____

12. Solve the system: $y = 2x + 5$ and $3x - y = -5$

    Solution: _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 11

Solve each problem. Show your work.

1. $4(x - 8) =$ 4x − 32

2. $(-2) \times (-4) =$ 8

3. $3(x + 3) - 3 = 24 \quad x =$ 6

4. $(y^5)^4 =$ y^{20}

5. $6.6 \times 10^5 =$ 660,000

6. $3x - 1 = 6x - 16 \quad x =$ 5

7. $5(x + 3) - 3 = 27 \quad x =$ 3

8. $10^8 \div 10^3 =$ 10^5

9. Solve the system: $3x + y = 11$ and $x - y = -3$

   Solution: (2, 5)

10. Solve the system: $y = -2x - 2$ and $5x - y = -5$

    Solution: (−1, 0)

11. Solve the system: $x + y = -5$ and $3x - y = -3$

    Solution: (−2, −3)

12. Solve the system: $y = 2x + 5$ and $3x - y = -5$

    Solution: (0, 5)