Name: _____

8th Grade Weekly Math Review Week 12

Solve each problem. Show your work.

1. $4 + 9 =$ _____

2. $6 \times (-2) =$ _____

3. $\sqrt{22}$ is between which two whole numbers?

   Answer: _____

4. $8.1 \times 10^{-4} =$ _____

5. $x^2 = 49 \quad x =$ _____

6. $10^{-1} =$ _____

7. $6.6 \times 10^{-4} =$ _____

8. $\sqrt{\frac{49}{36}} =$ _____

9. Solve the system: $y = x - 4$ and $3x + 3y = 24$

   Solution: _____

10. Solve the system: $y = -x + 11$ and $x + 3y = 23$

    Solution: _____

11. Solve the system: $y = 2x - 9$ and $4x + 2y = 6$

    Solution: _____

12. Solve the system: $y = 2x + 12$ and $3x - y = -16$

    Solution: _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 12

Solve each problem. Show your work.

1. $4 + 9 =$ 13

2. $6 \times (-2) =$ −12

3. $\sqrt{22}$ is between which two whole numbers?

   Answer: 4 and 5

4. $8.1 \times 10^{-4} =$ 0.00081

5. $x^2 = 49$ $x =$ ±7

6. $10^{-1} =$ $\frac{1}{10}$

7. $6.6 \times 10^{-4} =$ 0.00066

8. $\sqrt{\frac{49}{36}} =$ $\frac{7}{6}$

9. Solve the system: $y = x - 4$ and $3x + 3y = 24$

   Solution: (6, 2)

10. Solve the system: $y = -x + 11$ and $x + 3y = 23$

    Solution: (5, 6)

11. Solve the system: $y = 2x - 9$ and $4x + 2y = 6$

    Solution: (3, −3)

12. Solve the system: $y = 2x + 12$ and $3x - y = -16$

    Solution: (−4, 4)