Name: _____

8th Grade Weekly Math Review Week 15

Solve each problem. Show your work.

1. $4x + 10 = 54$ x = _____

2. $2x - 3 = -11$ x = _____

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

   Solution: _____

4. Solve the system: $y = x - 1$ and $4x - y = 1$

   Solution: _____

5. Solve the system: $3x + 4y = -24$ and $2x - 4y = 4$

   Solution: _____

6. $7x - 3 = 4x + 9$ x = _____

7. Solve the system: $y = -3x + 4$ and $4x + 3y = 2$

   Solution: _____

8. 9.9×10^2 = _____

9. (3, −2) and (7, −4) m = _____

10. (4, −5) and (6, −6) y = = _____

11. (−4, −3) and (−3, 0) m = _____

12. (−5, 0) and (−7, −4) m = _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 15

Solve each problem. Show your work.

1. $4x + 10 = 54$ x = 11

2. $2x - 3 = -11$ x = −4

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

   Solution: (−1, 0)

4. Solve the system: $y = x - 1$ and $4x - y = 1$

   Solution: (0, −1)

5. Solve the system: $3x + 4y = -24$ and $2x - 4y = 4$

   Solution: (−4, −3)

6. $7x - 3 = 4x + 9$ x = 4

7. Solve the system: $y = -3x + 4$ and $4x + 3y = 2$

   Solution: (2, −2)

8. $9.9 \times 10^2 =$ 990

9. (3, −2) and (7, −4) m = $-\frac{1}{2}$

10. (4, −5) and (6, −6) y = = −1/2x − 3

11. (−4, −3) and (−3, 0) m = 3

12. (−5, 0) and (−7, −4) m = 2