Name: _____

8th Grade Weekly Math Review Week 17

Solve each problem. Show your work.

1. $(-10) \times 9 =$ _____

2. $-1 + 11 =$ _____

3. $5^7 \cdot 5^4 =$ _____

4. $15^0 =$ _____

5. $3(x + 2) - 7 = 20 \quad x =$ _____

6. Solve the system: $y = x + 6$ and $3x + y = -2$

   Solution: _____

7. Solve the system: $2x + 2y = 8$ and $3x - 2y = -3$

   Solution: _____

8. $4x + 2x - 3 = 57 \quad x =$ _____

9. $4x + 3y = 7 =$ _____

10. $(2, 2)$ and $(0, 6) \quad m =$ _____

11. $(0, -5)$ and $(-2, -9) \quad m =$ _____

12. $y = x - 2 =$ _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 17

Solve each problem. Show your work.

1. $(-10) \times 9 =$ −90

2. $-1 + 11 =$ 10

3. $5^7 \cdot 5^4 =$ 5^{11}

4. $15^0 =$ 1

5. $3(x + 2) - 7 = 20 \quad x =$ 7

6. Solve the system: $y = x + 6$ and $3x + y = -2$

   Solution: (−2, 4)

7. Solve the system: $2x + 2y = 8$ and $3x - 2y = -3$

   Solution: (1, 3)

8. $4x + 2x - 3 = 57 \quad x =$ 10

9. $4x + 3y = 7 =$ m = −1 1/3, b = 2 1/3

10. (2, 2) and (0, 6) m = − 2

11. (0, −5) and (−2, −9) m = 2

12. $y = x - 2 =$ m = 1, b = −2