Name: _____

8th Grade Weekly Math Review Week 19

Solve each problem. Show your work.

1. $8x + 3x - 8 =$ _____

2. $5 + 5 =$ _____

3. $(-2, 3)$ and $(-1, 6)$ m = _____

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

5. cube root of 27 = _____

6. 480,000 = _____

7. Estimate $\sqrt{17}$ to the nearest tenth.

   Answer: _____

8. $7x + 10 = 5x + 18$ x = _____

9. Is this relation a function? {(−1, 2), (7, −5), (−2, 7), (0, 8)}

   Answer: _____

10. Linear or nonlinear? $y = 0.5x - 7$

    Answer: _____

11. $f(x) = -4x - 4$. f(1) = _____

12. Is this relation a function? {(−1, −1), (5, 9), (−4, 4), (−2, 8)}

    Answer: _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 19

Solve each problem. Show your work.

1. $8x + 3x - 8 =$ 11x − 8

2. $5 + 5 =$ 10

3. (−2, 3) and (−1, 6) m = 3

4. (−3, 5) and (−2, 4) m = − 1

5. cube root of 27 = 3

6. 480,000 = 4.8×10^5

7. Estimate √17 to the nearest tenth.

   Answer: 4.1

8. $7x + 10 = 5x + 18$ x = 4

9. Is this relation a function? {(−1, 2), (7, −5), (−2, 7), (0, 8)}

   Answer: yes

10. Linear or nonlinear? y = 0.5x − 7

    Answer: linear

11. f(x) = −4x − 4. f(1) = −8

12. Is this relation a function? {(−1, −1), (5, 9), (−4, 4), (−2, 8)}

    Answer: yes