Name: _____

8th Grade Weekly Math Review Week 9

Solve each problem. Show your work.

1. $-12 + 12 =$ _____

2. $2x + 5 = 5 \quad x =$ _____

3. $2^{10} \div 2^{2} =$ _____

4. $2^{8} \cdot 2^{3} =$ _____

5. $2^{8} \div 2^{5} =$ _____

6. $x^{2} = 64 \quad x =$ _____

7. Estimate $\sqrt{29}$ to the nearest tenth.

Answer: _____

8. Estimate $\sqrt{87}$ to the nearest tenth.

Answer: _____

9. $1.5x - 0.3 = 8.7 \quad x =$ _____

10. $2x + 4x + 3 = 27 \quad x =$ _____

11. $3(x + 3) + 3 = 42 \quad x =$ _____

12. $2x - 3 = 4x - 17 \quad x =$ _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 9

Solve each problem. Show your work.

1. $-12 + 12 =$ 0

2. $2x + 5 = 5 \quad x =$ 0

3. $2^{10} \div 2^{2} =$ 2^{8}

4. $2^{8} \cdot 2^{3} =$ 2^{11}

5. $2^{8} \div 2^{5} =$ 2^{3}

6. $x^{2} = 64 \quad x =$ ± 8

7. Estimate $\sqrt{29}$ to the nearest tenth.

   Answer: 5.4

8. Estimate $\sqrt{87}$ to the nearest tenth.

   Answer: 9.3

9. $1.5x - 0.3 = 8.7 \quad x =$ 6

10. $2x + 4x + 3 = 27 \quad x =$ 4

11. $3(x + 3) + 3 = 42 \quad x =$ 10

12. $2x - 3 = 4x - 17 \quad x =$ 7