Name: _____

# 8th Grade Weekly Math Review Week 4

Solve each problem. Show your work.

1. $4x + 9x - 4 =$ _____

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

3. $x^2 = 4 \quad x =$ _____

4. $x^2 = 16 \quad x =$ _____

5. $\sqrt{\frac{81}{4}} =$ _____

6. $x^3 = 8 \quad x =$ _____

7. √72 is between which two whole numbers?

   Answer: _____

8. Estimate √51 to the nearest tenth.

   Answer: _____

9. $6.5 \times 10^{-3} =$ _____

10. $9.7 \times 10^{-4} =$ _____

11. $4^{-2} =$ _____

12. $720{,}000 =$ _____

Name: **ANSWER KEY**

# 8th Grade Weekly Math Review Week 4

Solve each problem. Show your work.

1. $4x + 9x - 4 =$ 13x − 4

2. $(-1) \times 9 =$ −9

3. $x^2 = 4 \quad x =$ ±2

4. $x^2 = 16 \quad x =$ ±4

5. $\sqrt{\frac{81}{4}} =$ $\frac{9}{2}$

6. $x^3 = 8 \quad x =$ 2

7. √72 is between which two whole numbers?

   Answer: 8 and 9

8. Estimate √51 to the nearest tenth.

   Answer: 7.1

9. $6.5 \times 10^{-3} =$ 0.0065

10. $9.7 \times 10^{-4} =$ 0.00097

11. $4^{-2} =$ $\frac{1}{16}$

12. 720,000 = $7.2 \times 10^5$