Name: _____

8th Grade Weekly Math Review Week 24

Solve each problem. Show your work.

1. $7x + 2x - 7 =$ _____

2. $6x - 8 = -44 \quad x =$ _____

3. $5.6 \times 10^3 =$ _____

4. Triangle A(1, 2), B(0, 6), C(−1, 5) is reflected over the x-axis. Give the coordinates of the image.

   A′B′C′: _____

5. cube root of 27 = _____

6. Estimate √65 to the nearest tenth.

   Answer: _____

7. Linear or nonlinear? y = 3x + 2

   Answer: _____

8. $2x - 5 = 4x - 19 \quad x =$ _____

9. Triangle ABC ~ triangle DEF. AB = 4, BC = 6, CA = 7 and DE = 8. Find EF and FD.

   Answer: _____

10. Triangle ABC ~ triangle DEF. AB = 4, BC = 6, CA = 7 and DE = 16. Find EF and FD.

    Answer: _____

11. Triangle ABC ~ triangle DEF. AB = 2, BC = 5, CA = 6 and DE = 4. Find EF and FD.

    Answer: _____

12. Triangle ABC ~ triangle DEF. AB = 5, BC = 7, CA = 9 and DE = 15. Find EF and FD.

    Answer: _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 24

Solve each problem. Show your work.

1. $7x + 2x - 7 =$ 9x − 7

2. $6x - 8 = -44 \quad x =$ −6

3. $5.6 \times 10^3 =$ 5,600

4. Triangle A(1, 2), B(0, 6), C(−1, 5) is reflected over the x-axis. Give the coordinates of the image.

   A′B′C′: A′(1, −2), B′(0, −6), C′(−1,

5. cube root of 27 = 3

6. Estimate √65 to the nearest tenth.

   Answer: 8.1

7. Linear or nonlinear? y = 3x + 2

   Answer: linear

8. $2x - 5 = 4x - 19 \quad x =$ 7

9. Triangle ABC ~ triangle DEF. AB = 4, BC = 6, CA = 7 and DE = 8. Find EF and FD.

   Answer: EF = 12, FD = 14

10. Triangle ABC ~ triangle DEF. AB = 4, BC = 6, CA = 7 and DE = 16. Find EF and FD.

    Answer: EF = 24, FD = 28

11. Triangle ABC ~ triangle DEF. AB = 2, BC = 5, CA = 6 and DE = 4. Find EF and FD.

    Answer: EF = 10, FD = 12

12. Triangle ABC ~ triangle DEF. AB = 5, BC = 7, CA = 9 and DE = 15. Find EF and FD.

    Answer: EF = 21, FD = 27