Name: _____

8th Grade Weekly Math Review Week 26

Solve each problem. Show your work.

1. $(-7) \times (-6) =$ _____

2. $9x - 9 = -54 \quad x =$ _____

3. Triangle A(0, −5), B(−1, −6), C(−6, −3) is rotated 180° about the origin. Give the coordinates of the image.

   A′B′C′: _____

4. Solve the system: $y = -2x - 7$ and $3x + y = -9$

   Solution: _____

5. (6, 2) and (2, 0) $\quad y = =$ _____

6. Rectangle A is 4 by 6. Rectangle B is 8 by 12. What is the scale factor from A to B?

   Answer: _____

7. $\sqrt{\frac{1}{1}} =$ _____

8. $y = 5x - 7 =$ _____

9. Angle A = 94°, Angle B = 54°. Angle C = ____

10. Angle A = 49°, Angle B = 76°. Angle C = ____

11. Two interior angles of a triangle are 73° and 31°. What is the exterior angle at the third vertex?

    Answer: _____

12. Angle A = 29°, Angle B = 41°. Angle C = ____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 26

Solve each problem. Show your work.

1. $(-7) \times (-6) =$ 42

2. $9x - 9 = -54 \quad x =$ −5

3. Triangle A(0, −5), B(−1, −6), C(−6, −3) is rotated 180° about the origin. Give the coordinates of the image.

   A′B′C′: A′(0, 5), B′(1, 6), C′(6, 3)

4. Solve the system: y = −2x − 7 and 3x + y = −9

   Solution: (−2, −3)

5. (6, 2) and (2, 0) y = = 1/2x − 1

6. Rectangle A is 4 by 6. Rectangle B is 8 by 12. What is the scale factor from A to B?

   Answer: 2

7. $\sqrt{\frac{1}{1}} =$ 1

8. $y = 5x - 7 =$ m = 5, b = −7

9. Angle A = 94°, Angle B = 54°. Angle C = 32°

10. Angle A = 49°, Angle B = 76°. Angle C = 55

11. Two interior angles of a triangle are 73° and 31°. What is the exterior angle at the third vertex?

    Answer: 104°

12. Angle A = 29°, Angle B = 41°. Angle C = 11