Name: _____

8th Grade Weekly Math Review Week 23

Solve each problem. Show your work.

1. $-8 + 10 =$ _____

2. $11 + (-9) =$ _____

3. $\sqrt{94}$ is between which two whole numbers?

Answer: _____

4. $(10^6)^5 =$ _____

5. $0.5x + 1.8 = 3.8$ $x =$ _____

6. (3, 5) and (1, 3) $m =$ _____

7. $0.4x + 0.9 = 4.1$ $x =$ _____

8. $f(x) = 2x$. $f(-3) =$ _____

9. Triangle A(−2, −1), B(3, 3), C(5, 3) is reflected over the x-axis. Give the coordinates of the image.

A′B′C′: _____

10. Triangle A(3, 6), B(−4, −2), C(2, −6) is reflected over the x-axis. Give the coordinates of the image.

A′B′C′: _____

11. Triangle A(2, 2), B(−2, −1), C(6, 6) is rotated 180° about the origin. Give the coordinates of the image.

A′B′C′: _____

12. Triangle A(−1, −1), B(0, −2), C(−1, 4) is translated 4 right and 3 up. Give the coordinates of the image.

A′B′C′: _____

Name: **ANSWER KEY**

8th Grade Weekly Math Review Week 23

Solve each problem. Show your work.

1. $-8 + 10 =$ 2

2. $11 + (-9) =$ 2

3. $\sqrt{94}$ is between which two whole numbers?

Answer: 9 and 10

4. $(10^6)^5 =$ 10^{30}

5. $0.5x + 1.8 = 3.8$ $x =$ 4

6. (3, 5) and (1, 3) $m =$ 1

7. $0.4x + 0.9 = 4.1$ $x =$ 8

8. $f(x) = 2x$. $f(-3) =$ −6

9. Triangle A(−2, −1), B(3, 3), C(5, 3) is reflected over the x-axis. Give the coordinates of the image.

A′B′C′: A′(−2, 1), B′(3, −3), C′(5, −3)

10. Triangle A(3, 6), B(−4, −2), C(2, −6) is reflected over the x-axis. Give the coordinates of the image.

A′B′C′: A′(3, −6), B′(−4, 2), C′(2, 6)

11. Triangle A(2, 2), B(−2, −1), C(6, 6) is rotated 180° about the origin. Give the coordinates of the image.

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

12. Triangle A(−1, −1), B(0, −2), C(−1, 4) is translated 4 right and 3 up. Give the coordinates of the image.

A′B′C′: A′(3, 2), B′(4, 1), C′(3, 7)