

Review Game

Transformations

May the Best Row WIN

- In what quadrant is $(5, 10)$?

The X or Y Axis

- What is the line of reflection when you reflect $(3, -6)$ to $(-3, -6)$?

X or Y axis

- What is the line of reflection when you reflect $(4, 5)$ to $(-4, 5)$?

- In what quadrant is $(5, -7)$

Give the new coordinate after
rotation

(16, -9)

Rotated 360
degrees

Give the **formula** for the
translation

Move Right 6 and
down 30

What is the rule?

- Describe the following translation from $(0, 3)$ to $(5, 7)$.

What is the rule?

- Describe the translation from $(-2, 6)$ to $(3, -3)$.

- When you reflect $(-2, -4)$ across the y axis the new point is _____?

Give the new coordinate after
rotation

$(2, -6)$

Rotated 90
degrees

Reflections

- When you reflect $(3, 6)$ across the x axis the new point is _____?

Give the **formula** for the
translation

Move Right 54
and Up 4

Give the **formula** for the
translation

Move Left 12 and
down 12

Identify the following as a translation, reflection, or rotation.

$$(x + 4, y - 3)$$

Identify the following as a translation, reflection, or rotation.

$(-x, y)$ to (x, y)

Give the new coordinate after
rotation

$(-6, 13)$

Rotated 180

degrees

Give the new coordinate after
rotation

(-6, -11)

Rotated 270

degrees

Identify the following as a translation, reflection, or rotation.

$$(x, y) \text{ to } (y, -x)$$

Give the **formula** for the
translation

Move Left 12 and
Up 5

Give the new coordinate after
rotation

(5, 3) Rotated
90 degrees

Final Question

- What is the day of your transformations test
 - Day of the week
 - Month
 - Day
 - Year