(1) On each coordinate plane, label the x-axis & y-axis and the 4 quadrants.

(2) Perform the indicated transformation.

(3) Draw the new figure & write down the coordinates of its vertices.

#1 Translate 3 right, 2 up #2 Translate 2 left, 3 down



#3 Reflect across the y-axis #4 Reflect across the x-axis



#5 Reflect across the line M #6 Reflect across the line M



M



M

#7 Translate left 2, down 4. #8 A circle with a radius of 2 has its

Write the coordinates of the new center at (-3,-1).

points.

If the circle is translated

5 units to the right and 3 units up,

what are the coordinates of its

NEW CENTER?



#9 Reflect across the y-axis. #10 A circle with a radius of 3 has its

What are the coordinates of center at (3,0).

the new triangle?

If the circle is translated

3 units to the left and 2 units up,

what are the coordinates of its

NEW CENTER?

