

Given that  $y = 4^{-2(x+5)} - 3$ , complete the chart shown below. When identifying translations be sure that you indicate both the number of units and direction of the shift.

Reflected in $x$ -axis	YES or NO (circle correct solution)
Reflected in $y$ -axis	YES or NO (circle correct solution)
Horizontal translation of...	
Vertical translation of...	
Horizontally stretched by a factor of...	
Vertically stretched by a factor of ...	
Domain	
Range	

Write a mapping rule and sketch the curve in the space below.

$$y = 4^x$$

x	y
-2	
-1	
0	
1	
2	

