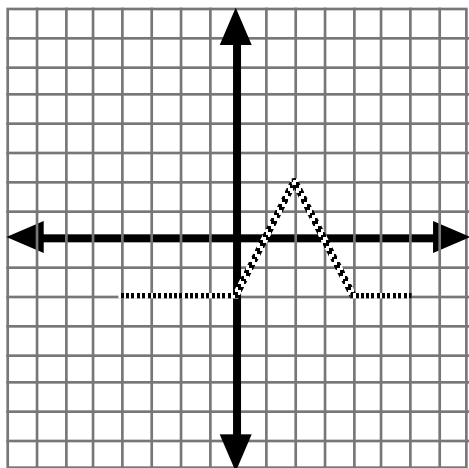


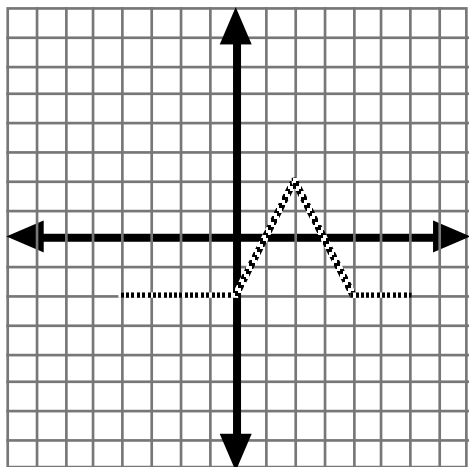
PC 12 LG 1 Worksheet (Sketching Transformations)

1. Given the dotted $y:= f(x)$ below:

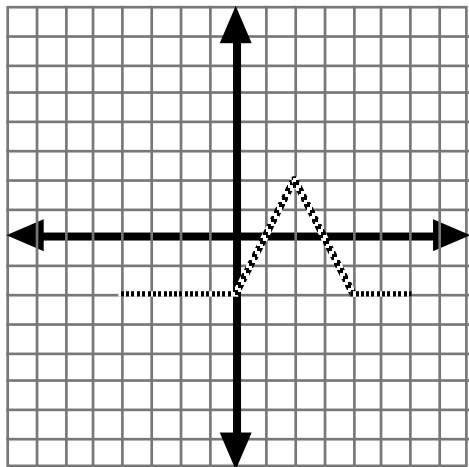
a) Find $y = f(x + 3) + 5$



b) Find $\frac{y}{3} = f(2x)$

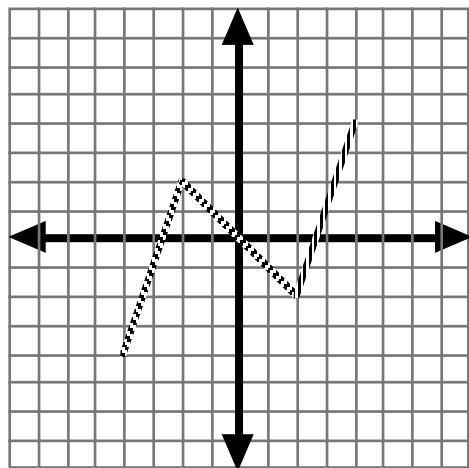


c) Find $y = -f(-x)$

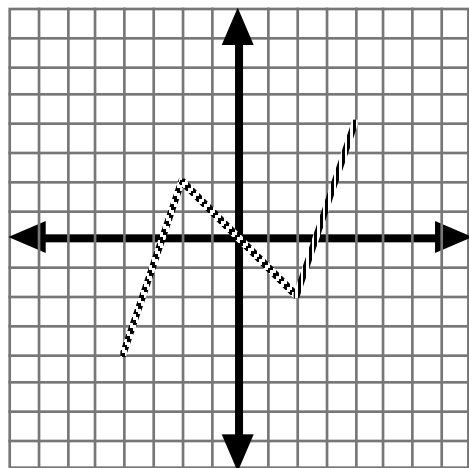


2. Given the dotted $y:= f(x)$ below:

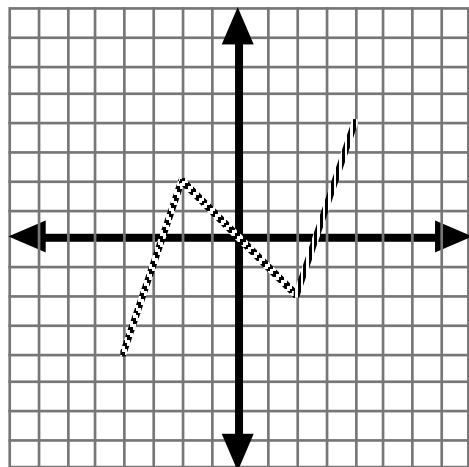
a) Find $y + 3 = f(x - 2)$



b) Find $y = 2f(2x)$



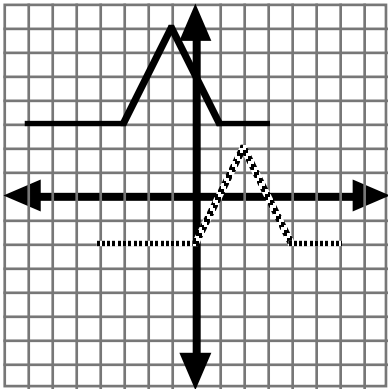
c) Find $-2y = f(\frac{1}{2}x)$



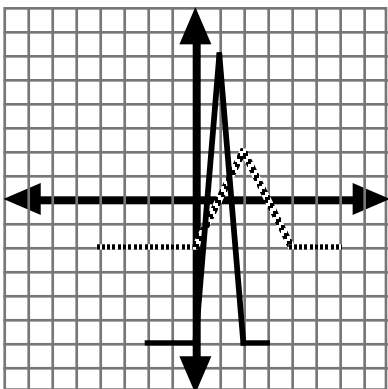
PC 12 LG 1 Worksheet (Sketching Transformations)

Answer Key

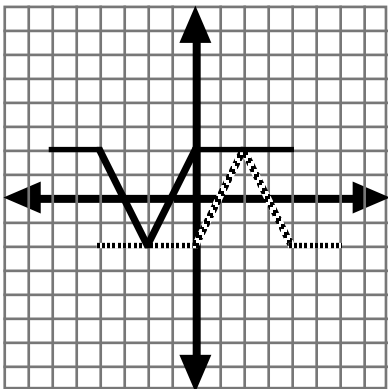
1. a.



b.

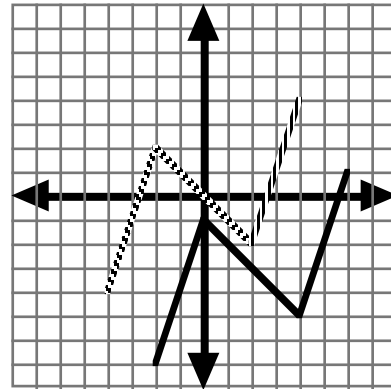


c.

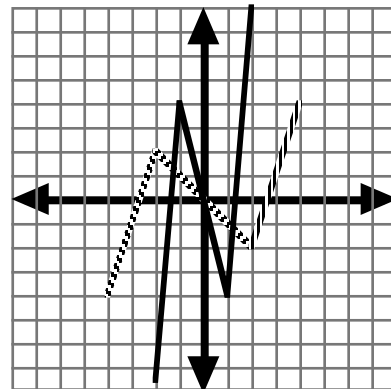


Answer Key

2. a.



b.



c.

