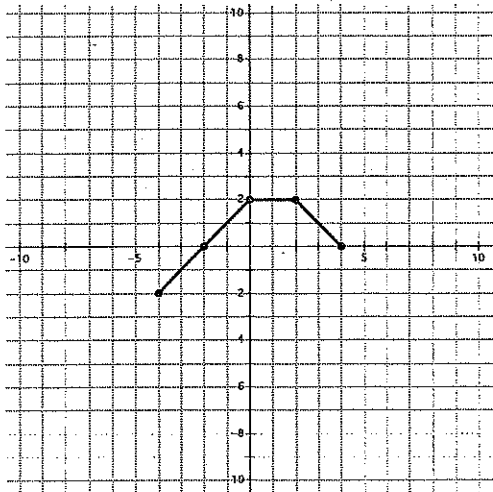


Pre-Section 4.5 Homework

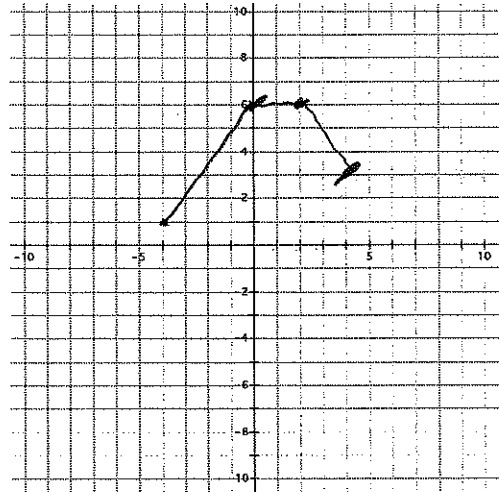
Given the following function, graph each of the given transformations:

Given Function: $f(x)$

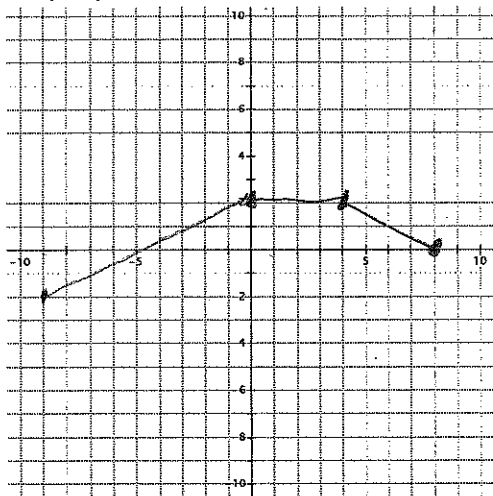


A. $g(x) = f(x) + 3$

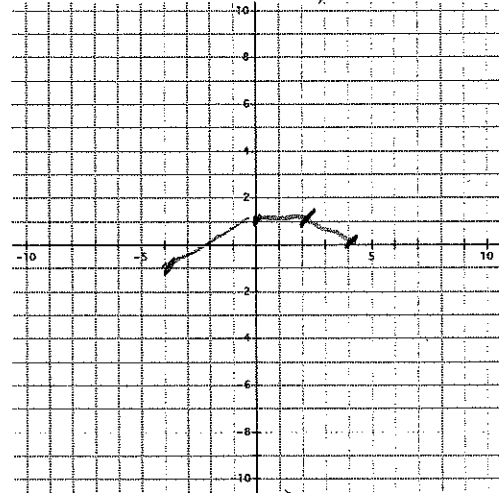
$(x, y+3)$



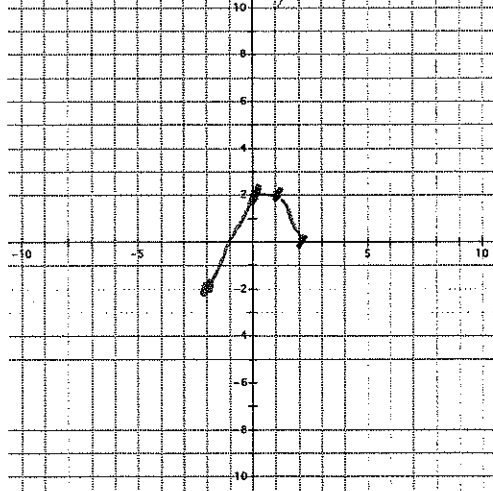
B. $g(x) = f\left(\frac{1}{2}x\right)$ $(2x, y)$



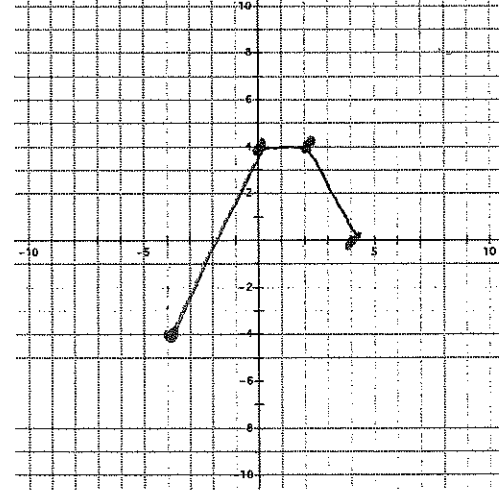
C. $g(x) = \frac{1}{2}f(x)$ $(x, \frac{1}{2}y)$



D. $g(x) = f(2x)$ $(\frac{1}{2}x, y)$



E. $g(x) = 2f(x)$ $(x, 2y)$

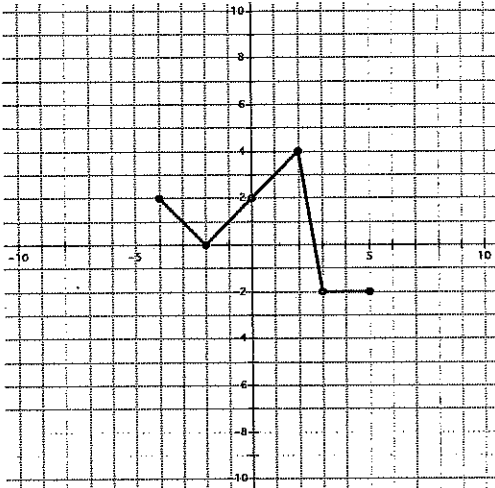


Pre-Section 4.5 Homework

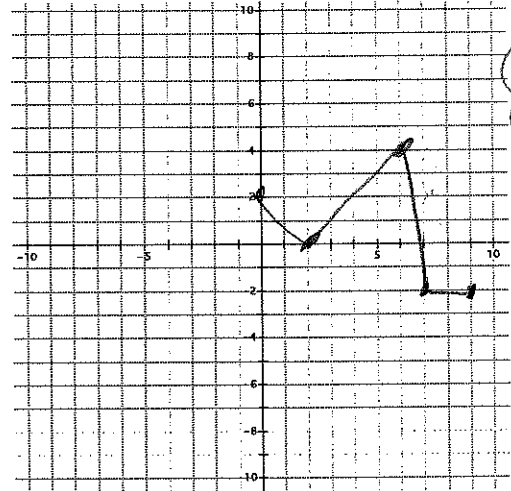
Given the following function, graph each of the given transformations:

Given Function: $f(x)$

- $(-4, 2)$
- $(-2, 0)$
- $(2, 4)$
- $(3, -2)$
- $(5, -2)$



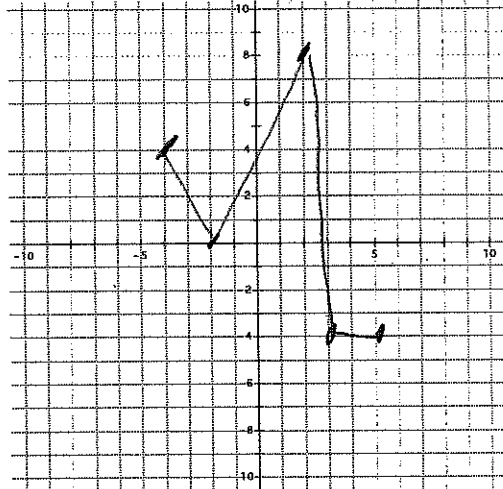
A. $g(x) = f(x-4)$ $(x+4, y)$



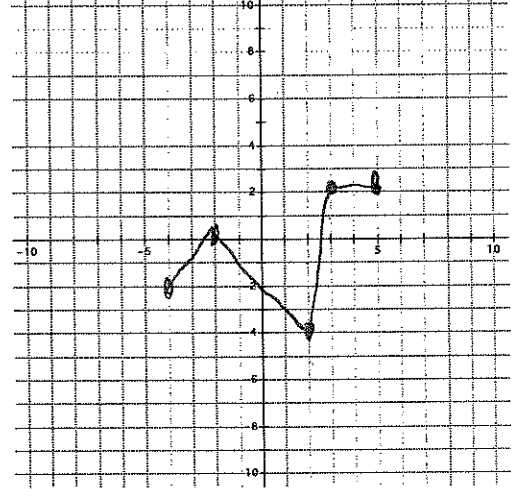
- $(0, 2)$
- $(2, 0)$
- $(6, 4)$
- $(7, -2)$
- $(9, -2)$

B. $g(x) = 2f(x)$ $(x, 2y)$

- $(-4, 4)$
- $(-2, 0)$
- $(2, 8)$
- $(3, -4)$
- $(5, -4)$



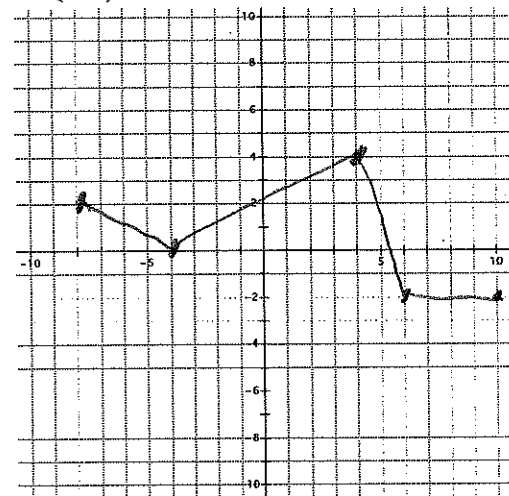
C. $g(x) = -f(x)$ $(x, -y)$



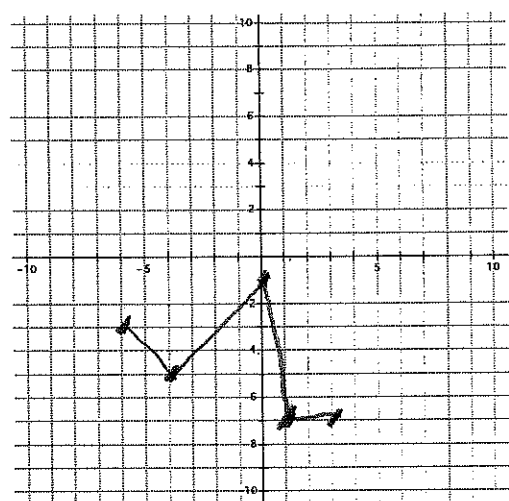
- $(-4, -2)$
- $(-2, 0)$
- $(2, -4)$
- $(3, 2)$
- $(5, 2)$

D. $g(x) = f\left(\frac{1}{2}x\right)$ $(2x, y)$

- $(-8, 2)$
- $(-4, 0)$
- $(4, 4)$
- $(6, -2)$
- $(10, -2)$



E. $g(x) = f(x+2) - 5$ $(x-2, y-5)$



- $(-6, -3)$
- $(-4, -5)$
- $(0, -1)$
- $(1, -7)$
- $(3, -7)$