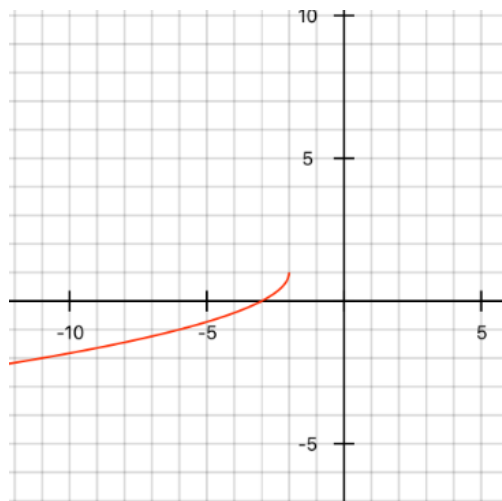


Answers to Chapter 1 Section 6-9 Review

1. $A' = (11, 5)$
2. Reflect over the x -axis, reflect over the y -axis, shift left 2 and up 1.



3. a. $(f - g)(x) = -\frac{9}{2}x + 4$
b. $\left(\frac{f}{g}\right)(x) = \frac{x+6}{10x-2}, \quad x \neq \frac{1}{5}$
c. $(f \cdot g)(2) = 36$
d. $(f \circ g)(x) = \frac{5}{2}x + \frac{5}{2} = \frac{5x+5}{2}$
e. $(g \circ f)(-4) = 4$
4. $f'(x) = \frac{x+3}{5}$
5. $g'(x) = -x^2 - 6x - 14$