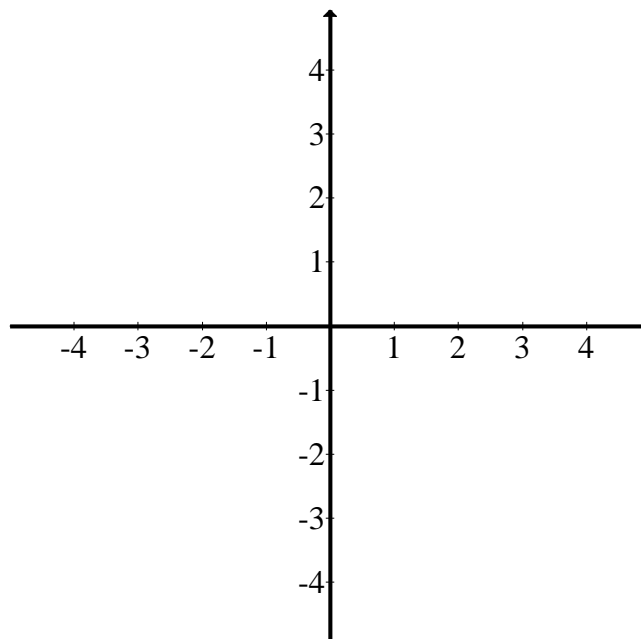


Name \_\_\_\_\_ Trigonometry Quiz 1

1) Let  $f(x) = 2x^2 + 5$  and  $g(x) = x - 3$ . Find  $f(2)$ .

2) Sketch a graph of  $f(x) = (x - 1)^2 - 3$



3) The number of gremlin-free households,  $H$  (in thousands), can be approximated using the equation

$$H = 171y + 2913$$

where  $y$  is the number of years since 1990.

Find and interpret the  $H$ -intercept for the line.