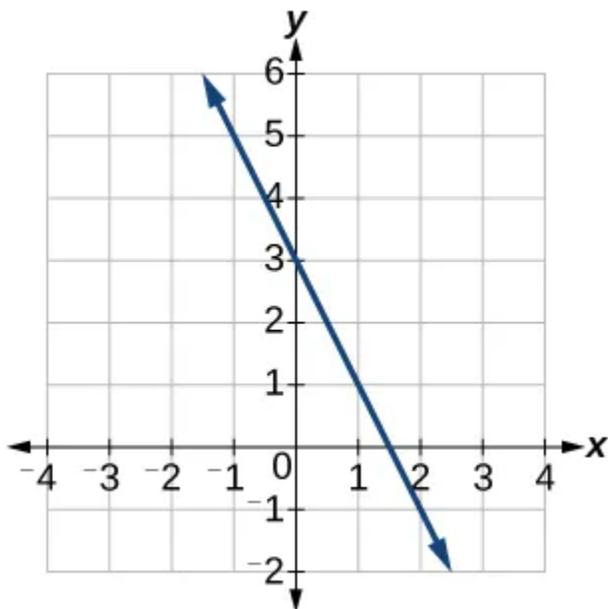


Linear Functions – Assignment

College Algebra

1. Terry is skiing down a steep hill. Terry's elevation, $E(t)$, in feet after t seconds is given by $E(t) = 3000 - 70t$. Write a complete sentence describing Terry's starting elevation and how it is changing over time.
2. Jessica is walking home from a friend's house. After 2 minutes she is 1.4 miles from home. Twelve minutes after leaving, she is 0.9 miles from home. What is her rate in miles per hour?
15. Determine whether the function is increasing or decreasing.
$$g(x) = 5x + 6$$
17. Determine whether the function is increasing or decreasing.
$$b(x) = 8 - 3x$$
25. Find the slope of the line that passes through the two given points.
 $(1,5)$ and $(4,11)$
26. Find the slope of the line that passes through the two given points.
 $(-1,4)$ and $(5,2)$
59. Write an equation for the line graphed.



60. Write an equation for the line graphed.

