

## Functions And Graphs Worksheet 2 Answers

- #1 (a.)  $y = 3x - 5$  (f.)  $x = 3$  (k.)  $y = 2x - 1$   
(No slope/intercept form)
- (b.)  $y = -\frac{2}{3}x + 6$  (g.)  $y = \frac{1}{2}x$  (l.)  $y = -\frac{3}{2}x - 8$
- (c.)  $y = 2x - 6$  (h.)  $y = -\frac{2}{5}x - 7.8$  (m.)  $y = -2x + 3$
- (d.)  $y = \frac{1}{2}x - 6.5$  (i.)  $x = -2$  (n.)  $y = -\frac{1}{3}x + \frac{16}{3}$   
(No slope/intercept form)
- (e.)  $y = 7$  (j.)  $y = -13$

#2  $y = 25x + 150$   
2-year total is \$250

- #3 (a.)  $y = 14.75x + 35$
- (b.)  $m = 14.75$   
Therefore, each foot of the hallway takes 14.75 minutes to complete.
- (c.) y-intercept is (0, 35)  
Therefore, the setup and clean up take 35 minutes total.

- #4 (a.) m is negative and c is positive
- (b.) m is positive and c is negative
- (c.) m is zero and c is positive
- (d.) m is negative and c is zero