Slope-Intercept Worksheet Answer Key

Yankee Niner-Niner, What Are Your Coordinates?

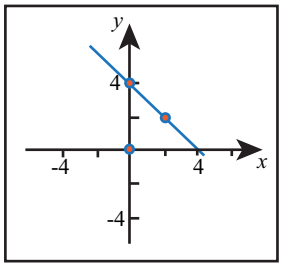
1. Find the slope of the line joining $(1, 3)$ and $(2, 4)$.

   slope= $\frac{4-3}{2-1} = \frac{1}{2}$

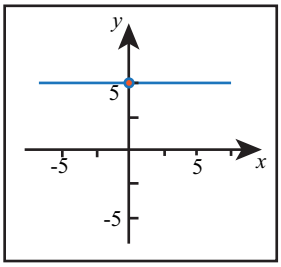
2. Find the slope of the line joining $(5, -11)$ and $(4, 3)$.

   slope = $\frac{-11-3}{5-4} = -14$

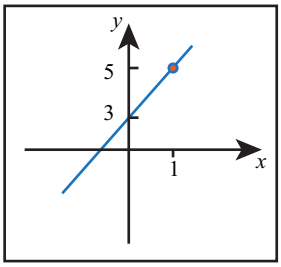
3. Graph the line with slope -1 and y-intercept 4.



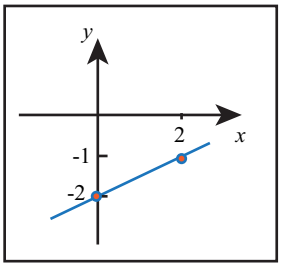
4. Graph the line with slope 0 and y-intercept 5.



5. Graph the line with slope 2 and y-intercept 3.



6. Graph the line with slope $\frac{1}{2}$ and y-intercept -2.



7. Find the equation of the line joining $(-4, 5)$ and $(3, 6)$.

   $y = \frac{1}{7}x + \frac{39}{7}$

8. Find the equation of the line joining $(11, 7)$ and $(-11, 7)$.

   $y = 7$

9. Find the equation of the line with slope $\frac{3}{4}$ and y-intercept 3.

   $y = \frac{3}{4}x + 3$

10. Find the equation of the line passing through the point $(0, 1)$ and slope 5.

    $y = 5x + 1$