

Unit 7 Linear Relations**7.5 Slope-Intercept Form of a Line**

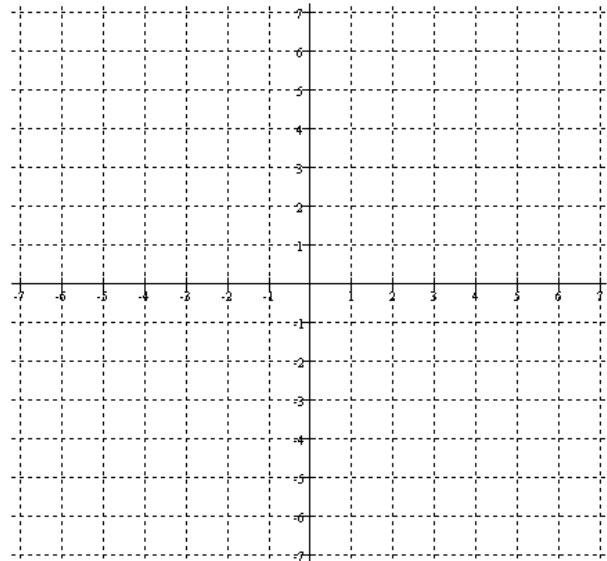
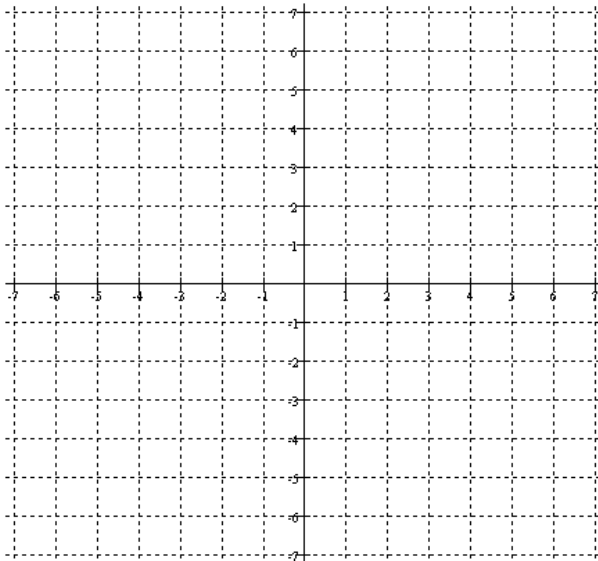
y-intercept:**Slope-Intercept Form:****Ex.** State the slope and y-intercept of each linear relation, then graph using that information:

a) $y = \frac{2}{3}x - 3$

b) $y = 2x + 4$

c) $y = 3 - x$

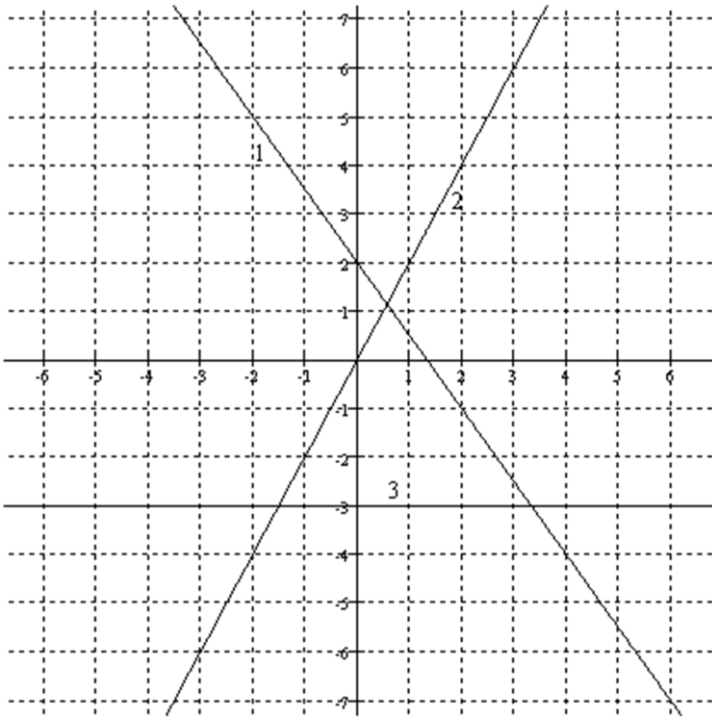
d) $y = \frac{-1}{2}x$

**Ex.** Write the equation of a line with the given slope & y-intercept:

a) Slope $-\frac{3}{2}$ & y-intercept 5

b) Slope 1 & y-intercept -3

Ex. Determine the equation of each line shown below:



Ex. Find the equation of the line passing through (2, 0) and (6, 2)

