

- Find a line that has the given slope and contains the given point. If possible, write your equation in slope-intercept form. To check, graph the equation on your calculator and use TRACE to see if the point lies on your line.
  - $m = -5, (3, -8)$
  - $m$  is undefined,  $(3, -2)$
  
- Find an equation of the line that passes through the two given points. If possible, write your answer in slope-intercept form.
  - $(5, -8)$  and  $(3, -8)$
  - $(-2, 1)$  and  $(5, -1)$
  
- Find an equation of a line that contains  $(-2, -5)$  and is perpendicular to  $x + 4y = 12$ . Hint: What does it mean for two lines to be perpendicular? Use EVERYTHING you've learned in chapter 3 and 5 so far!