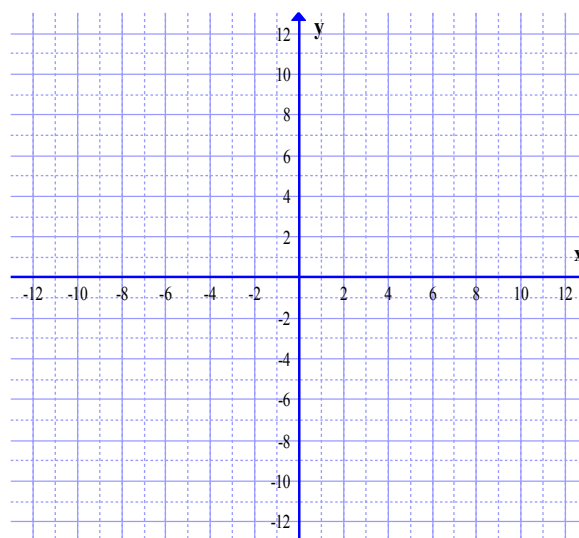


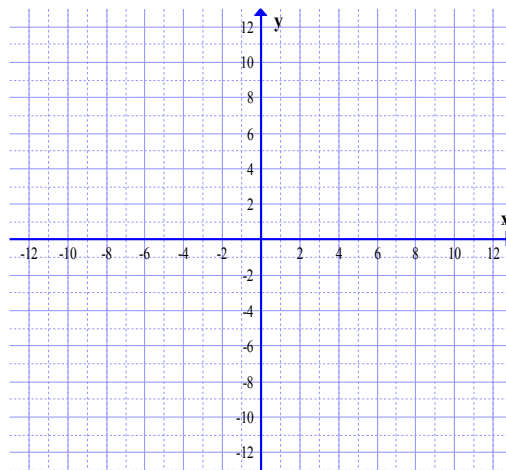
MAC1105 College Algebra  
2.3 Practice Problems

- Find the slope of the line passing through each pair of points.
  - $(5,8)$  and  $(7,-12)$
  - $(8,-3)$  and  $(7,-3)$
- Find an equation of the line that has a y-intercept of  $(0,8)$  and has a slope of  $m = -\frac{3}{5}$ .
- Write the point-slope form of the equation of a line with slope 3 that passes through the point  $(5,-1)$ . Then write the equation in slope intercept form and standard form.
- Write the point-slope form of the equation of the line passing through the points  $(2,3)$  and  $(7,4)$ . Then write the equation in slope intercept form and standard form.

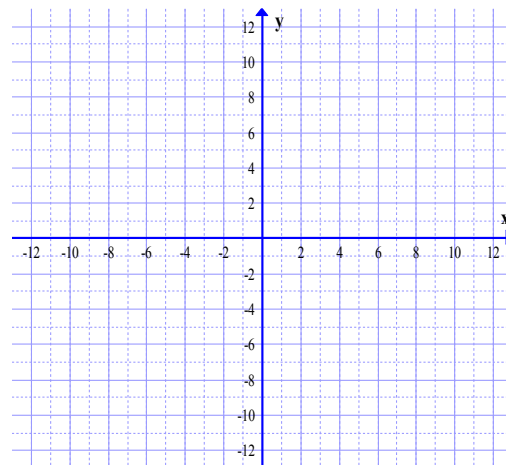
- Identify the slope and y-intercept.  
Graph the linear equation using the slope and y-intercept.  $y = -\frac{2}{3}x + 5$



6. Graph the linear function.  $y = -3$ .



7. Graph the linear equation.  $x = 4$ .



8. Find the slope and y-intercept of a line whose equation is  $3x + 5y - 10 = 0$ .

9. Graph the linear equation using intercepts.  
 $4x - 5y = 20$

