

## Linear Equations

1. Find the slope of the line passing through the points  $(3,-5)$  and  $(5,7)$ .
2. Find the equation of the line passing through  $(1,3)$  and  $(-4,2)$  in standard, point-slope, and slope-intercept form.
3. Find the equation (in point-slope form) of the line passing through  $(1,-7)$  and that is parallel to  $2x - 3y = 6$ .
4. Find the equation (in point-slope form) of the line passing through  $(0,3)$  and that is perpendicular to  $5x + 6y = -3$ .