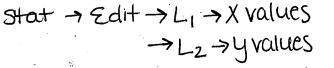
12/19

1. What is true about the slopes of parallel lines? Perpendicular lines?

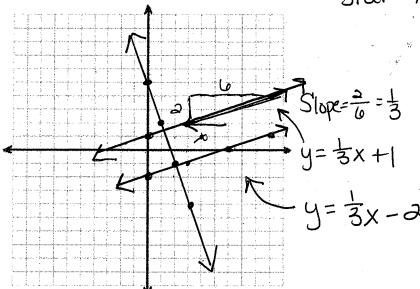
1/ lines have conquent slopes

1 lines have opposite receproral slopes

2. Write the equation of a line, l, passing through the points (3, 2) and (9, 4). Use of the grid below is optional.



-> enter



a. Write the equation of a line parallel to line l through the point (6, 0).

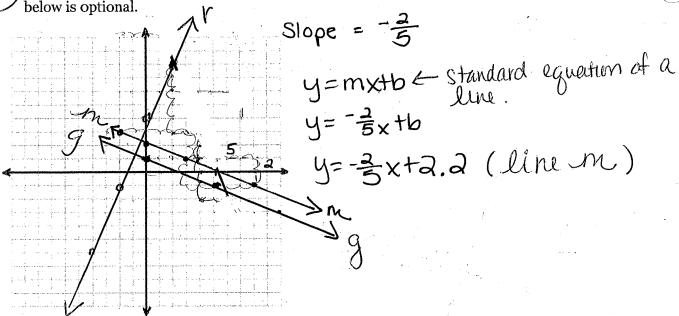
$$y=\frac{1}{3}x-a$$

b. Write the equation of a line perpendicular to line l through the point (1, 2).

$$y = \frac{3}{1}x + 5$$

Parallel/Perpendicular Lines

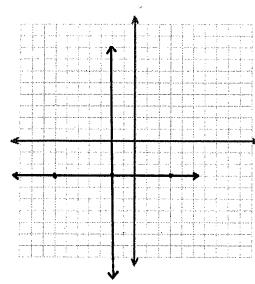
Write the equation of a line, m, passing through the points (3, 1) and (8, -1). Use of the grid below is optional



a. Write the equation of a line parallel to line m through the point (5,-1).

b. Write the equation of a line perpendicular to line m through the point (2, 8).

4. Write the equation of the perpendicular bisector of the segment connecting (-7, -3) and (3, -3).



5. Write the equation of the perpendicular bisector of the segment connecting (1, 2) and (3,-2). Use of the grid below is optional.

