Perpendicular and Parallel Lines

Find the equation in point-slope form of the line parallel to the given line through the point

$y = 5x - 2$	Parallel (1, 3) m =

Find the equation in point-slope form of the line parallel to the given line through the point

$5x-3y=12$	Parallel (-4, -11) m =

Find the equation in point-slope form of the line **perpendicular** to the given line through the point

$y = 2x - 10$	Perp. (2, -5) m =

Find the equation in point-slope form of the line **perpendicular** to the given line through the point

$2x+6y=5$	Perp. (6, -3) m =

Determine if the lines are parallel, perpendicular or intersecting

$y = \frac{-2}{3}x - 10$	$y = \frac{3}{2}x - 10$

Determine if the lines are parallel, perpendicular or intersecting

$y=\frac{5}{3}x+6$	$-3x+5y=10$

Determine if the lines are parallel, perpendicular or intersecting

$y = \frac{3}{4}x - 10$	$-3x + 4y = 12$

Find the equation in point-slope form of the line that passes through the given point. Then rewrite the equation in slope intercept form.

(5, -2) and (6, -5)

Find the equation in point-slope form of the line that passes through the given point. Then rewrite the equation in slope intercept form.

(2, -1) and (4, -9)

Find the equation in point-slope form of the line that passes through the given point. Then rewrite the equation in slope intercept form.

(-5, 2) and (-6, -8)