

- 4) Write the equation of the line parallel to #1 and passing through $(3,5)$.

$$m = 3$$

$$\parallel m = 3$$

$$y - 5 = 3(x - 3)$$

- 5) Find the x and y-intercepts of the line with an equation $4x - 3y = 36$.

x-intercept $(9, 0)$	y-intercept $(0, -12)$
x-int; let $y = 0$	y-int; let $x = 0$
$4x - 3(0) = 36$	$4(0) - 3y = 36$
$4x - 0 = 36$	$0 - 3y = 36$
$4x = 36$	$-3y = 36$
$x = 9$	$y = -12$

slope - intercept

	<p>1) Write the equation of a horizontal line passing through $(3, -2)$.</p> <p>$y = -2$</p> <p>2) Write the equation of a vertical line passing through $(-4, 4)$.</p> <p>$x = -4$</p>
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