

Day 4 Worksheet

Slope intercept $y=mx+b$	Standard $Ax+By=C$	Point-Slope $(y-y_1)=m(x-x_1)$	Slope	Y-int	X-int
$y = -\frac{1}{2}x + 2$	$x + 2y = 4$	pt $(-2, 3)$ $y - 3 = -\frac{1}{2}(x + 2)$	$-\frac{1}{2}$	2	4
$y = 2x - 4$	$2x - y = 4$	pt $(1, -2)$ $y + 2 = 2(x - 1)$	2	-4	2
$y = -\frac{1}{2}x + 2$	$x + 2y = 4$	pt $(2, 1)$ $y - 1 = -\frac{1}{2}(x - 2)$	$-\frac{1}{2}$	2	4
$y = 3x - 6$	$3x - y = 6$	pt $(3, 3)$ $y - 3 = 3(x - 3)$	3	-6	2
$y = 3x + 5$	$3x - y = -5$	pt $(2, 11)$ $y - 11 = 3(x - 2)$	3	5	$-\frac{5}{3}$
$y = \frac{3}{2}x + 11$	$3x - 2y = -22$	pt $(-4, 5)$ $y - 5 = \frac{3}{2}(x + 4)$	$\frac{3}{2}$	11	$-\frac{22}{3}$
$y = -4$	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX	0	-4	none
XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	$x = 3$	XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXX	undefined	none	3