

Algebra I - Midterm Review (Day 5)

1) What is the range of the function $y = -2x - 3$ over the domain $-2 \leq x \leq 1$?

x	y
-2	1
-1	-1
0	-3
1	-5

$-5 \leq y \leq 1$

2) Simplify the polynomial: $2x^2(x - 1)^2$

$$2x^2(x-1)(x-1)$$

$$2x^2(x^2 - 2x + 1)$$

$$2x^4 - 4x^3 + 2x^2$$

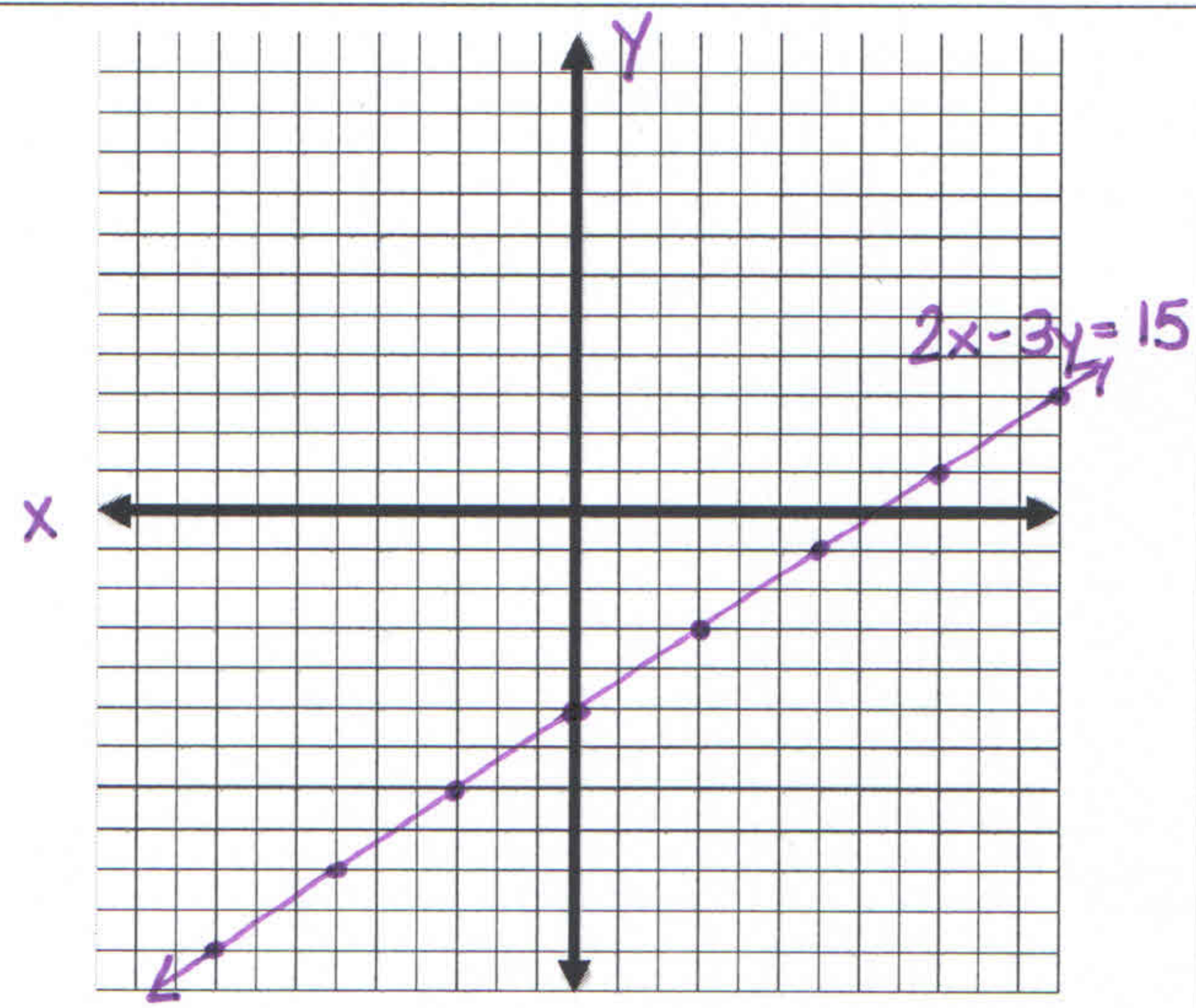
3) On the set of axes, draw the graph of the equation $2x - 3y = 15$.

$$\frac{-2x}{-3} = \frac{-2x + 15}{-3}$$

$$y = \frac{2}{3}x - 5$$

$m = \frac{2}{3}$

$b = -5$



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