

Which ordered pair(s) is a solution to?

$$3x - y = 7?$$

~~(3, 4)~~

(1, -4)

~~(5, 3)~~

~~(-1, -2)~~

$$3(1) - (-4) = 7$$

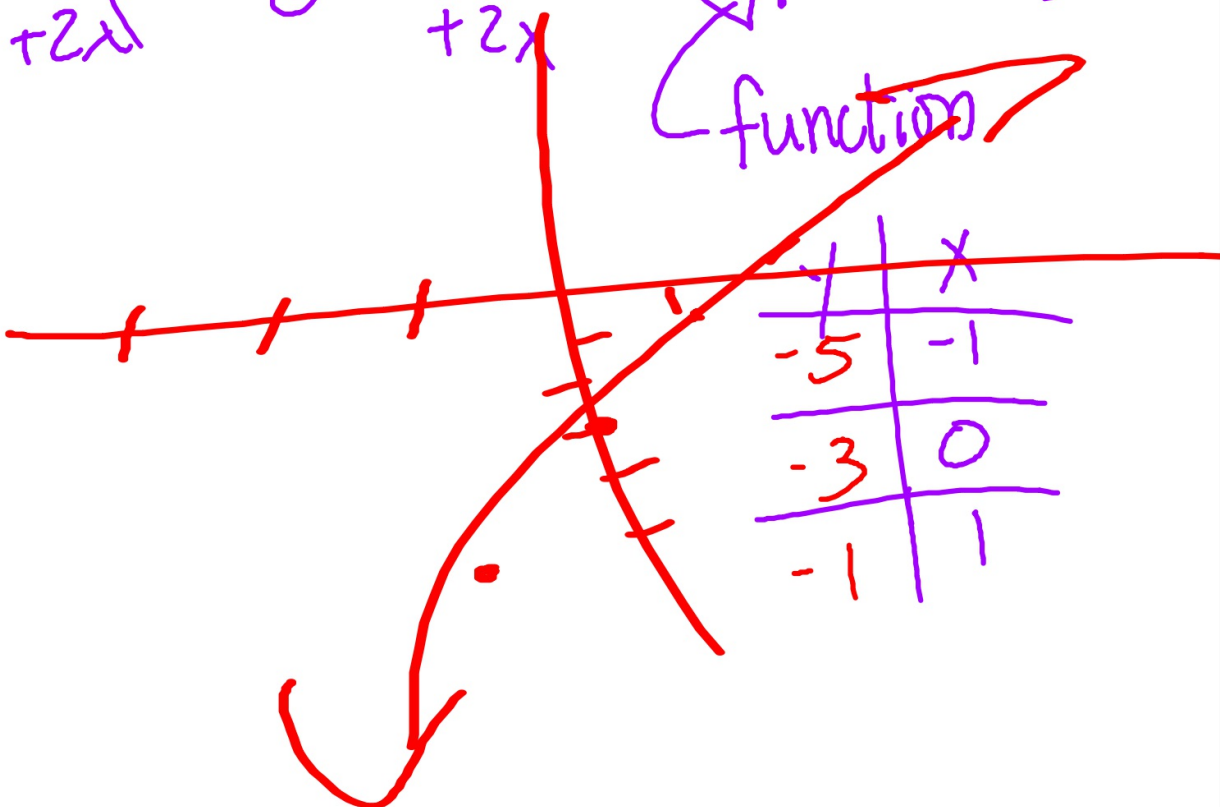
$$3 + 4 = 7$$

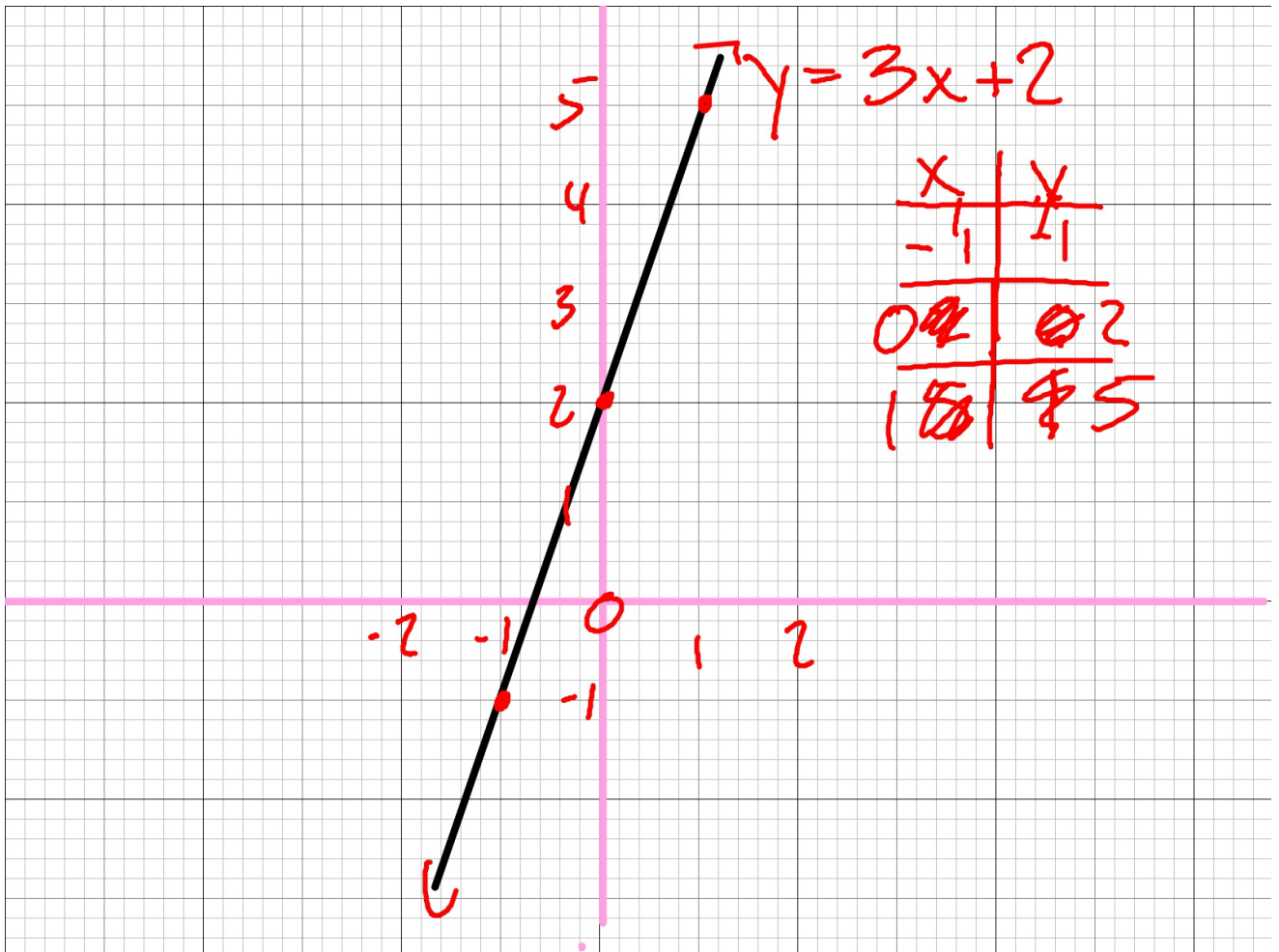
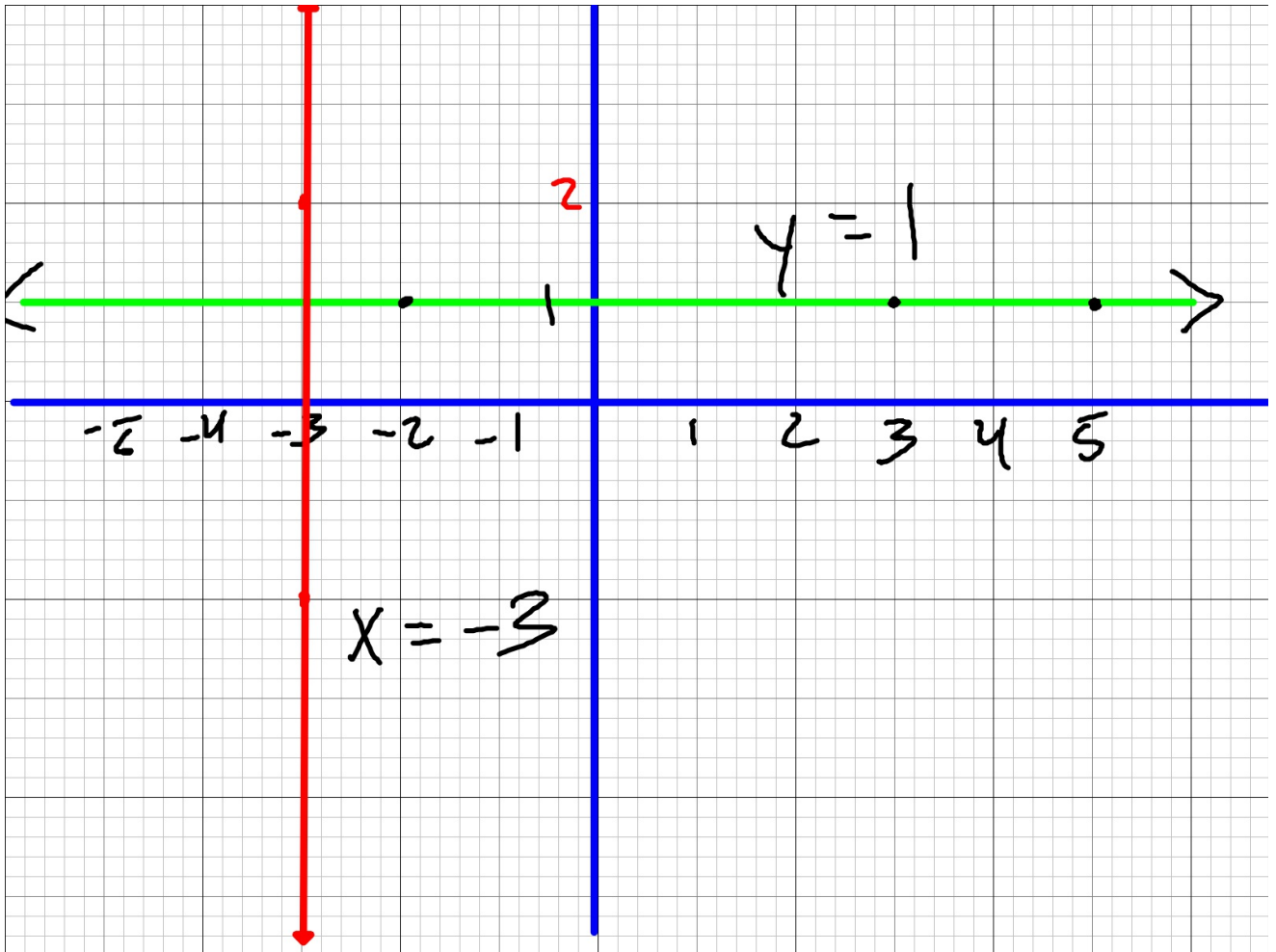
$$7 = 7$$

$$\begin{array}{r} -2x + y = -3 \\ +2x \end{array}$$

$$y = 2x - 3$$

function



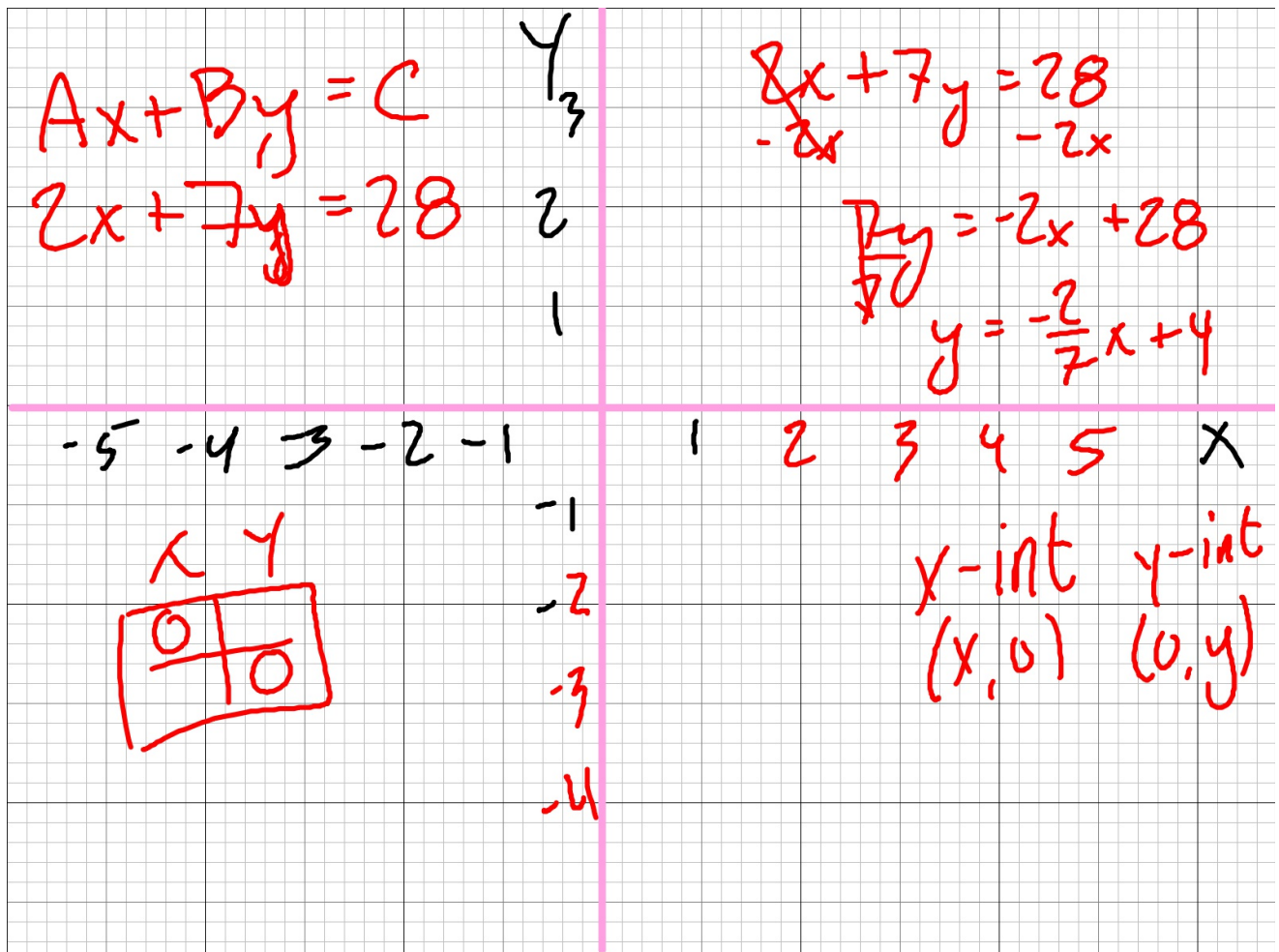


$$\begin{array}{c} -2x + y = -3 \\ +2x \end{array}$$

$$y = 2x - 3$$

$$Ax + By = C$$

Standard form



$$2x + 7y = 28$$

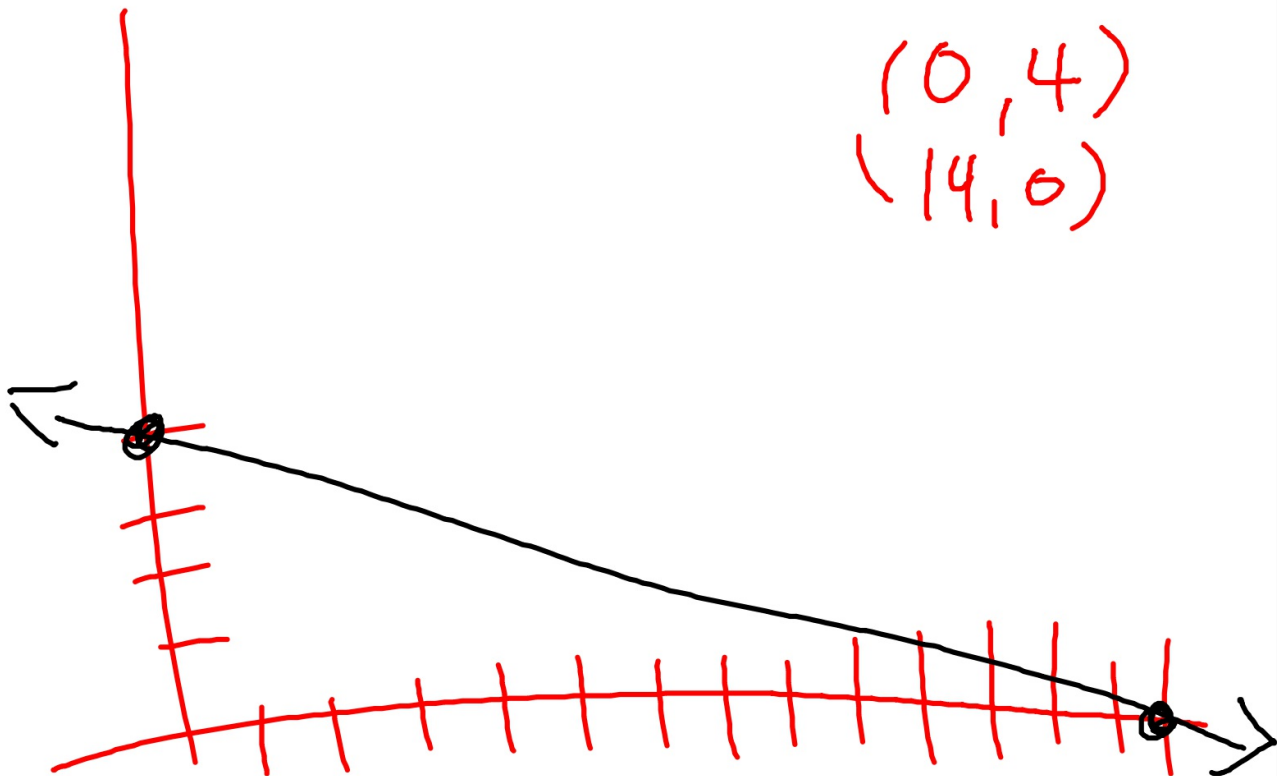
x	y
0	4
14	0

$$2x + 7(0) = 28$$
$$2x = 28$$
$$x = 14$$

$$2(\cancel{0}) + 7y = 28$$

$$7y = 28$$
$$\frac{7y}{7} = \frac{28}{7}$$

$$y = 4$$



$$3x + 2y = 6$$

$$3x + 2(\cancel{0}) = 6$$

$$\begin{aligned} 3x &= 6 \\ \frac{3}{3} & \quad \frac{6}{3} \\ x &= 2 \end{aligned}$$

intercepts

x	y
(2)	(0)
(0)	(3)

$$\cancel{3}(0) + 2y = 6$$

$$\begin{aligned} 2y &= 6 \\ \frac{2}{2} & \quad \frac{6}{2} \\ y &= 3 \end{aligned}$$

$$4x - 2y = 10$$

x	y
0	-5
2.5	0

$$4x - 2(0) = 10$$

$$\begin{aligned} 4x &= 10 \\ \frac{4}{4} & \quad \frac{10}{4} \\ x &= 2\frac{1}{2} \end{aligned}$$

	x	y
x-int	2.5	0
y-int	0	-5

$$\begin{aligned} 4(\cancel{0}) - 2y &= 10 \\ -2y &= 10 \\ \frac{-2}{-2} & \quad \frac{10}{-2} \\ y &= -5 \end{aligned}$$

4.3 # 1, 4-8, 16, 18, 22, 24, 28-30;
only do a for 46 and 47