

4.3 \uparrow P6229

1, 2, 5-12, 21-25, 28-31

Put in
 $Ax + By = C$
 STA
 Form

(6) $-3x + 9y = -18$
 $x: 6 (6, 0)$
 $y: -2 (0, -2)$

(12) $y = 2x + 24$
 $-2x -2x$
 $-2x + 4 = 24$
 $x: -12 \quad x(-12, 0)$
 $y: 24 \quad x(0, 24)$

(8) $x: 5$
 $y: 10$

(10) $x: 2$
 $y: 12$

(22) $3x + y = 15$
 $x: 5 \quad y: 15$

(24) $8x - 5y = 80$
 $x: 10 \quad y: -16$

$y = mx + b$

(21) $y = -4x + 3$

$x:$
 Set $y = 0$

$0 = -4x + 3$
 $-3 \quad -3$

$\frac{-3}{-4} = \frac{-4x}{-4}$

$x = \frac{3}{4}$

$y:$
 Set $x = 0$

$y = -4(0) + 3$

$y = 3$

POT IN
 STANDARD

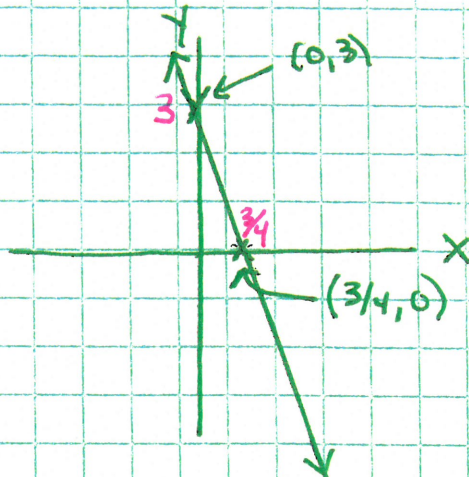
FORM:
 $Ax + By = C$

$4x + y = 3$

$x: \frac{4x}{4} = \frac{3}{4}$

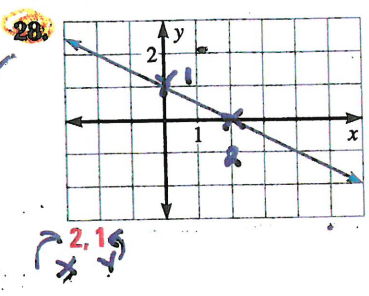
$x = \frac{3}{4} (x_{int})$

$y: 3$

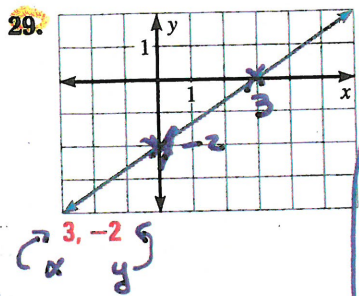


(OVER)

USING GRAPHS TO FIND INTERCEPTS Identify the x -intercept and the y -intercept of the graph.

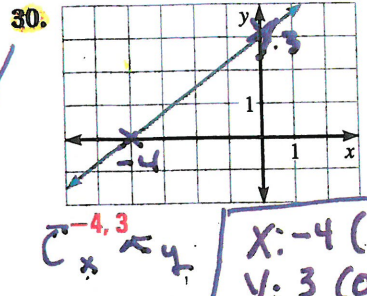


$x: 2 (2, 0)$
 $y: 1 (0, 1)$



$x: 3 (3, 0)$

$y: -2 (0, -2)$

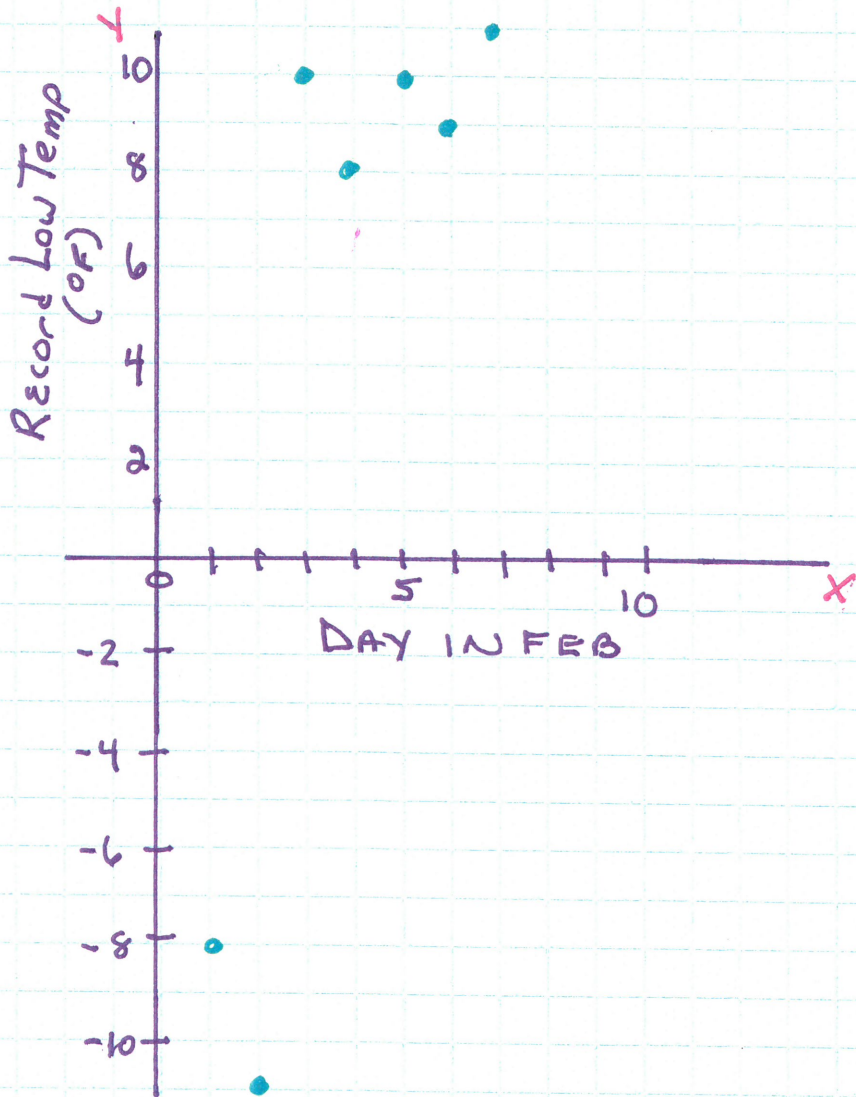


$x: -4 (-4, 0)$
 $y: 3 (0, 3)$

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DAY IN FEB	Recorded Low OF
1	-8
2	-11
3	10
4	8
5	10
6	9
7	11

THIS IS A FUNCTION BECAUSE THERE ARE NO REPEATING X VALUES



GRAPHS must be clearly labeled

- ① Label x+y axis
- ② Label both axes by name and units
- ③ clearly label scales

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DAYS	1	2	3	4	5
STOCK change in value (\$s)	-.3	.1	.15	.35	.11

a) This is a FUNCTION because there are NO repeating X-values.



b) The change in stock price increased FOR THE FIRST 4 DAYS, then dropped.