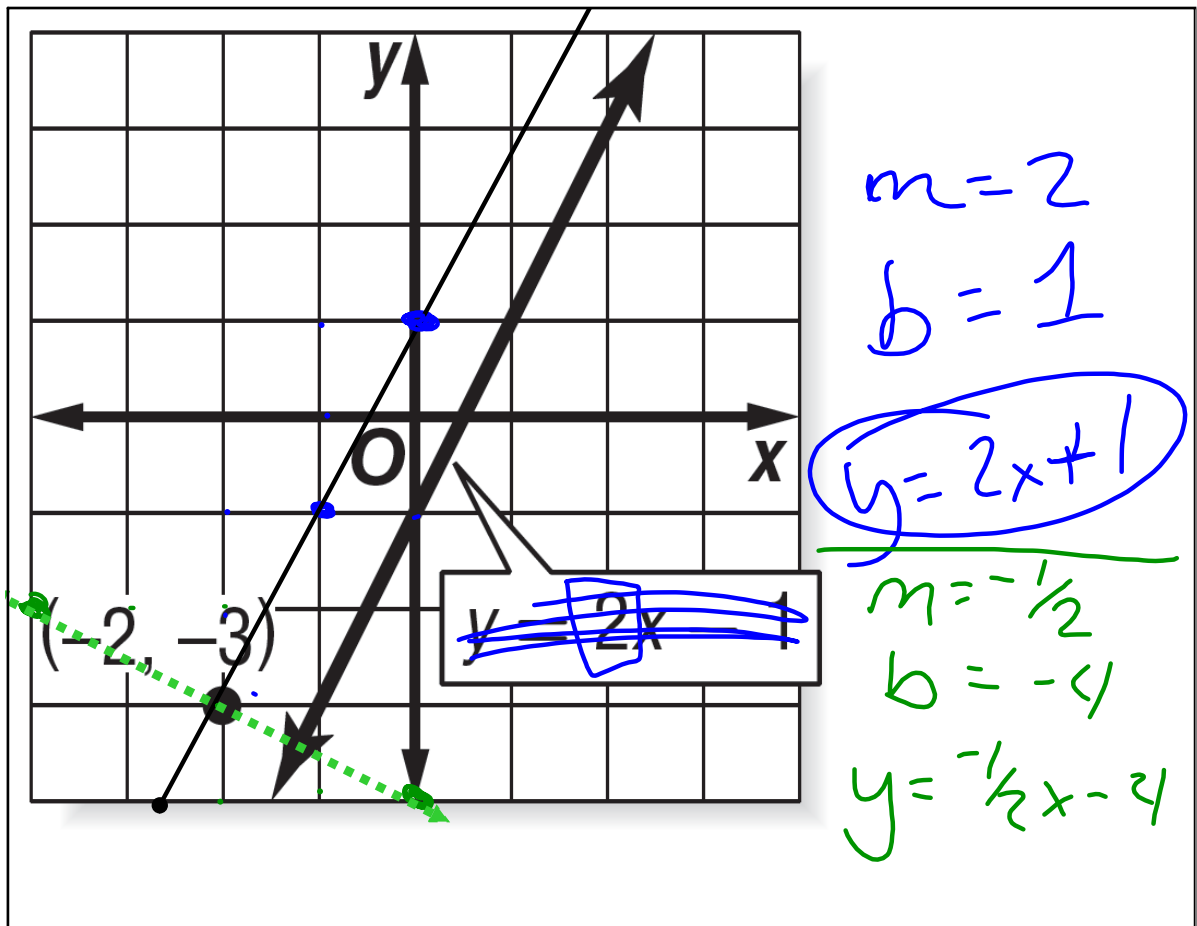
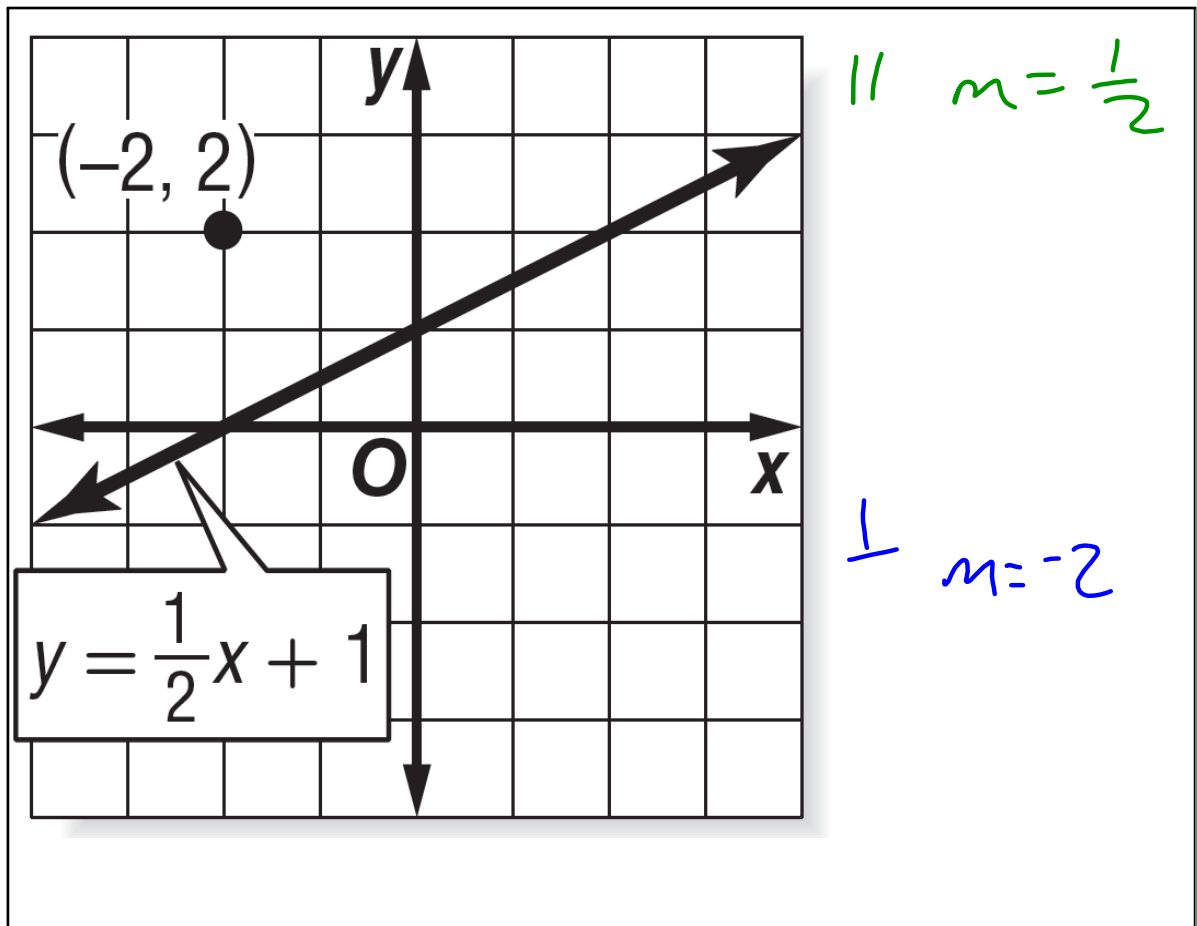
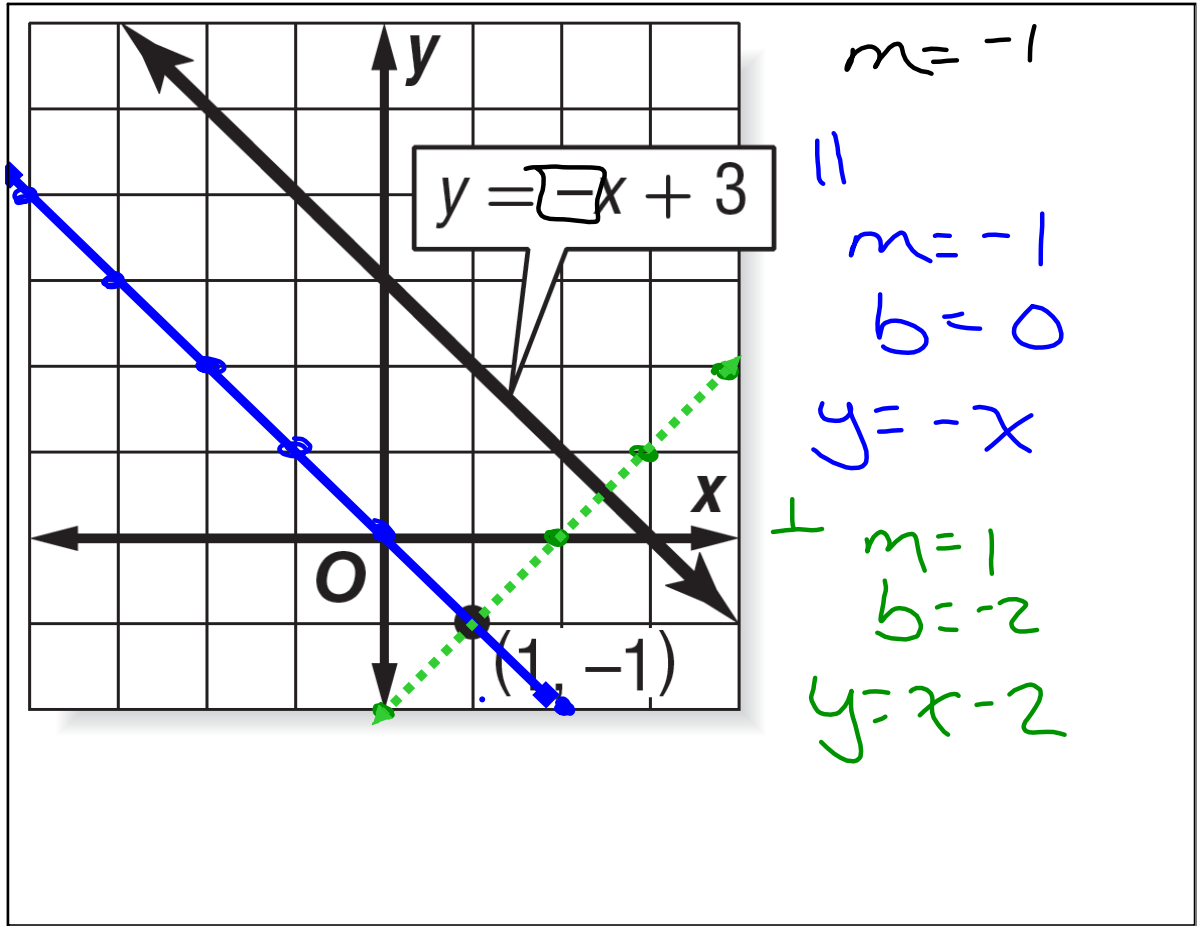


Grab a White board
& Marker

Nov 19-8:31 AM

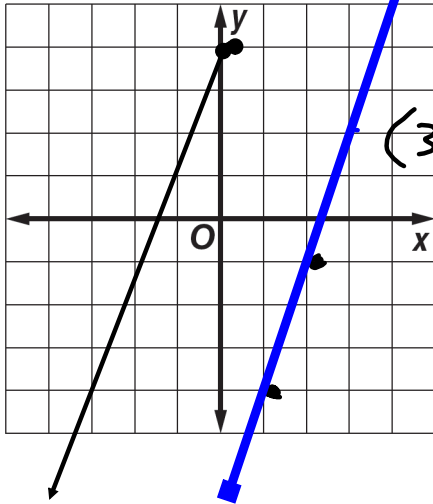


Nov 19-8:13 AM



Write an equation in slope-intercept form for the line that passes through the given point and is **parallel** to the graph of each equation.

(3, 2), ~~$y = 3x + 4$~~ $m = 3$

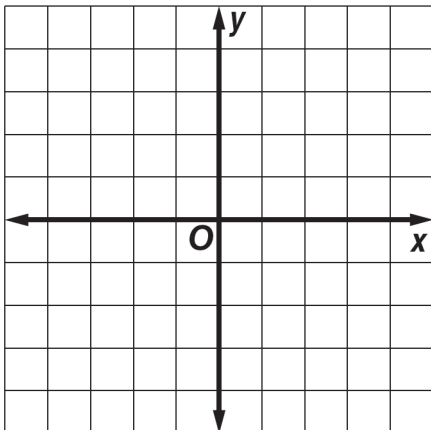


$m = 3$ $b =$
 $y - 2 = 3(x - 3)$
 $y - 2 = 3x - 9$
 $+2 \quad +2$
 $y = 3x - 7$
 $(0, -7)$
 $\frac{1}{-4}$

Nov 19-8:15 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **parallel** to the graph of each equation.

(1, -3), ~~$y = 4x - 1$~~

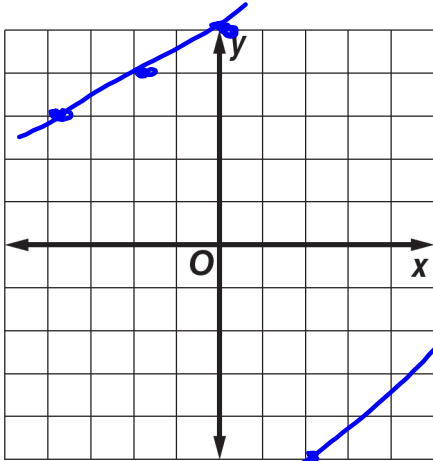


$m = -4$
 $y + 3 = -4(x - 1)$
 $y + 3 = -4x + 4$
 $-3 \quad -3$
 $y = -4x + 1$

Nov 19-8:17 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **parallel** to the graph of each equation.

$(-4, 3), y = \frac{1}{2}x - 6$



$$y - 3 = \frac{1}{2}(x + 4)$$

$$y - 3 = \frac{1}{2}x + 2$$

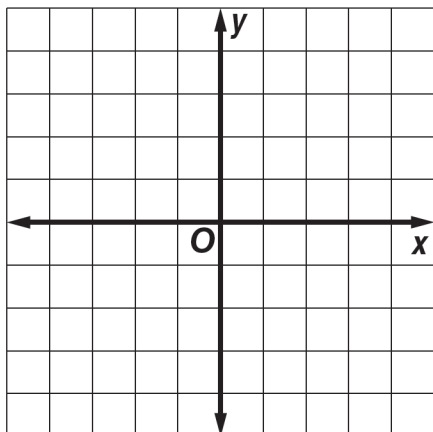
$$+3 \qquad +3$$

$$y = \frac{1}{2}x + 5$$

Nov 19-8:17 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **perpendicular** to the graph of each equation.

$(-3, -2), y = x + 2$



$m = 1$

$\frac{1}{1} \perp -\frac{1}{1}$

$m = -1$

$$y + 2 = -1(x + 3)$$

$$y + 2 = -x - 3$$

$$-2 \qquad -2$$

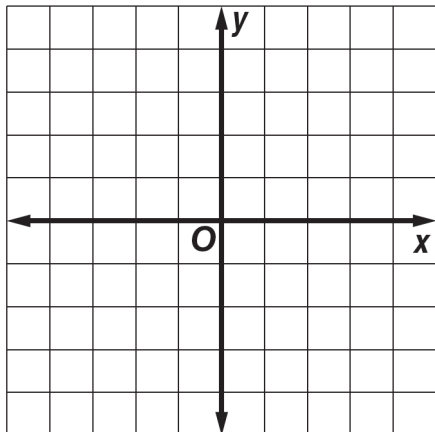
$$y = -x - 5$$

Nov 19-8:18 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **perpendicular** to the graph of each equation.

$(-4, 5), y = -4x - 1$

$m = -4$



$$y - 5 = \frac{1}{4}(x + 4)$$

$$y - 5 = \frac{1}{4}x + 1$$

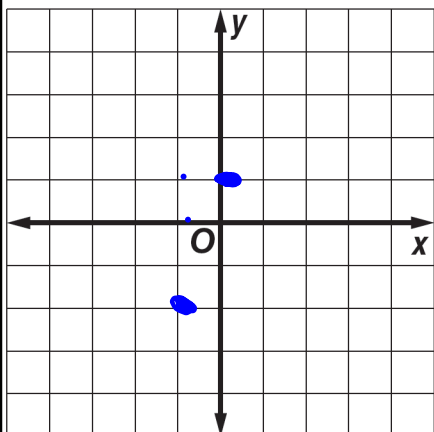
$$y = \frac{1}{4}x + 6$$

Nov 19-8:20 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **parallel** to the graph of each equation.

$(-1, -2), 3x - y = 5$

$-\frac{A}{B}$



$$y = -3x + 5$$

$$y = 3x - 5$$

$$m = 3$$

$$y + 2 = 3(x + 1)$$

$$y + 2 = 3x + 3$$

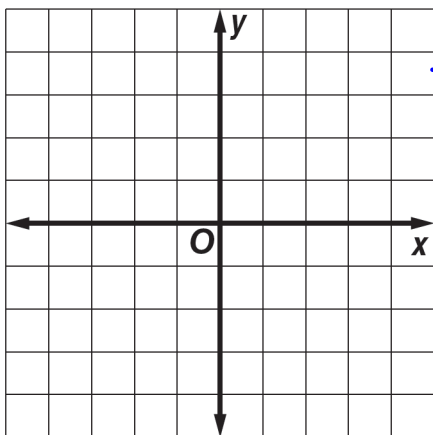
$$y = 3x + 1$$

Nov 19-8:23 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **parallel** to the graph of each equation.

$(-5, 6)$, $4x + 3y = 1$

Handwritten notes: $-4x$ under $4x$; $-4x$ and $\frac{3y}{3}$ under $3y$; $-\frac{A}{B}$ above the line; $\frac{3y}{3}$ next to $3y$.



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

$y - 6 = -\frac{4}{3}(x + 5)$

$y - 6 = -\frac{4}{3}x - \frac{20}{3}$

$y = -\frac{4}{3}x - \frac{2}{3}$

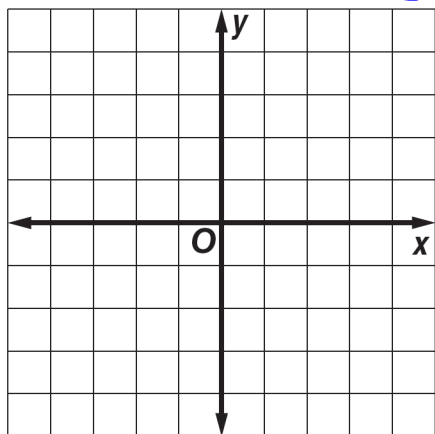
Nov 19-8:23 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **perpendicular** to the graph of each equation.

$(4, -5)$, ~~$2x - 5y = -10$~~

Handwritten notes: $-2x$ under $2x$; $-5y$ under $5y$; $-2x$ under -10 .

$\frac{2}{5} \perp -\frac{5}{2}$



~~$y = \frac{2}{5}x + 2$~~

$y + 5 = -\frac{5}{2}(x - 4)$

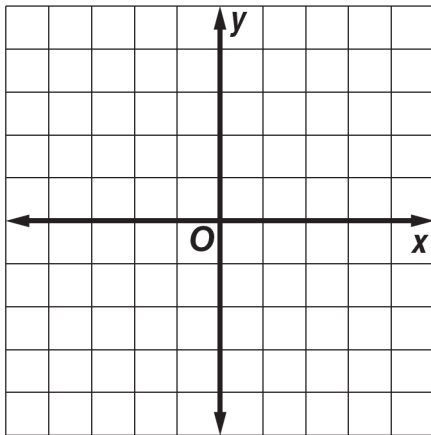
$y + 5 = -\frac{5}{2}x + 10$

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

Nov 19-8:25 AM

Write an equation in slope-intercept form for the line that passes through the given point and is **perpendicular** to the graph of each equation.

$(-3, 5), 5x - 6y = 9$



Nov 19-8:25 AM

$y - 5 = -\frac{7}{6}(x + 1)$

Line m contains $(6, 8)$ and $(-1, 2)$. Line n contains $(-1, 5)$ and $(5, y)$.

What is the value of y if line m is perpendicular to line n ? _____

Line m : $\frac{8-2}{6-(-1)} = \frac{6}{7} = m$

Line n : $m = -\frac{7}{6}$

$y - 5 = -\frac{7}{6}(x + 1)$

$y - 5 = -\frac{7}{6}x - \frac{7}{6}$

$+5$ $+5$

$y = -\frac{7}{6}x + \frac{23}{6}$

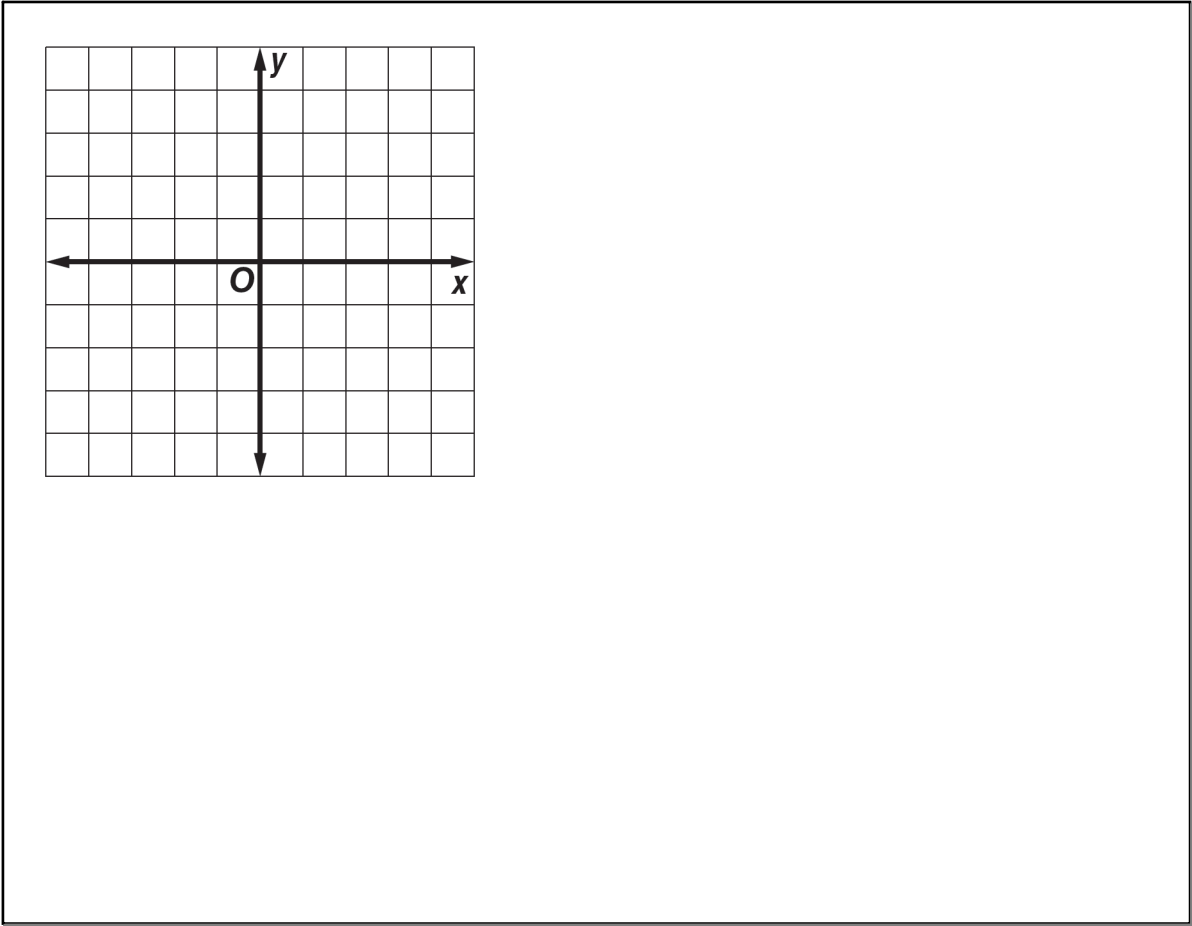
$y = -\frac{7}{6}x + \frac{23}{6}$

$y = -\frac{7}{6}(5) + \frac{23}{6}$

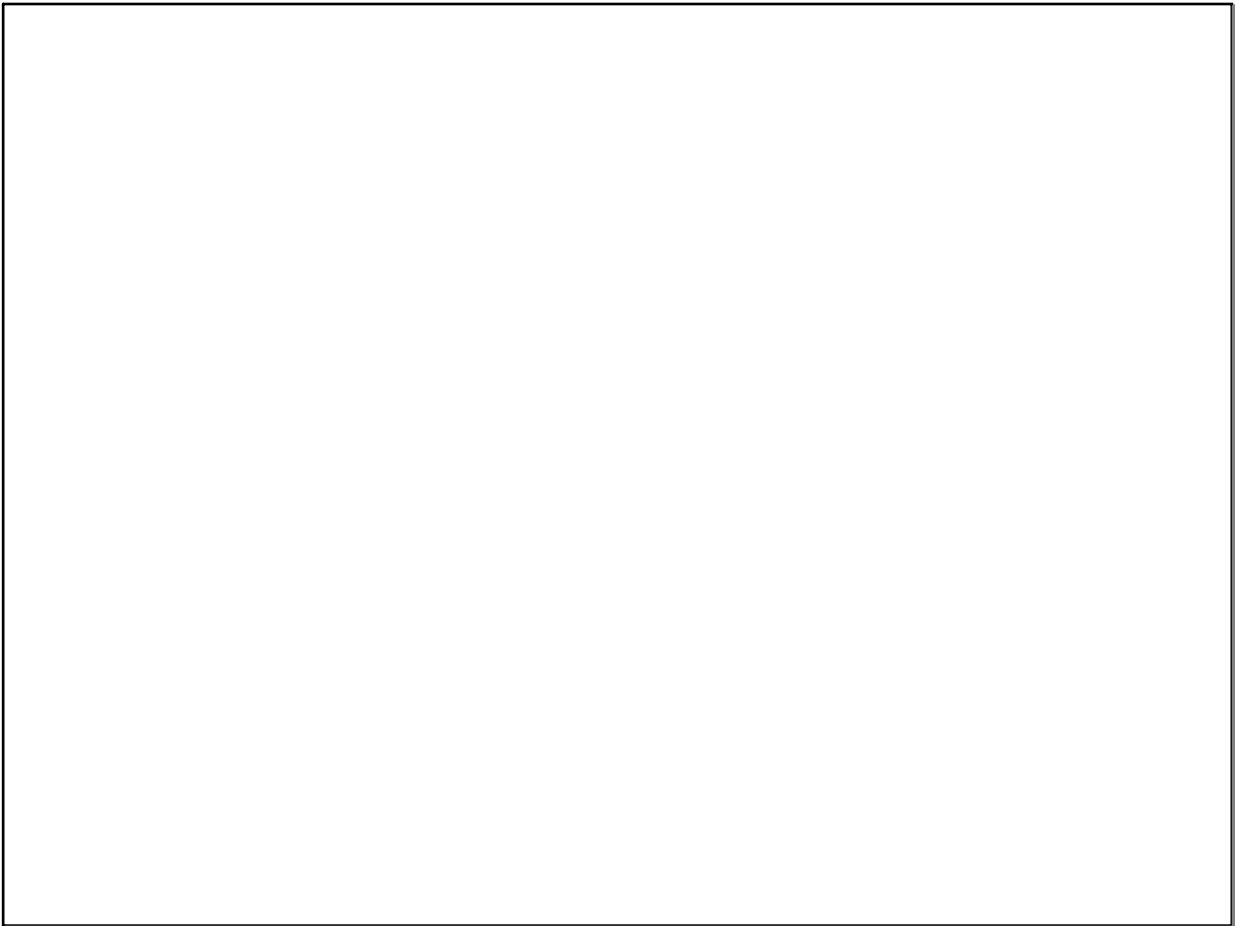
$y = -\frac{35}{6} + \frac{23}{6}$

$y = -2$

Nov 19-8:03 AM



Nov 19-8:27 AM



Nov 19-8:22 AM