

My name is: (equation in standard form) $4x - 5y = 20$

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

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

At school, I go by: (slope-intercept equation)

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

About me:

My slope is: $\frac{4}{5}$ My y-intercept is: $b = -4$

Interesting facts: (3 additional points)

$(0, -4)$ $(5, 0)$ $(10, 4)$

Two of my friends are:

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

(perpendicular) $y = -\frac{5}{4}x + 18$

parallel lines have same \perp lines have the opp. reciprocal as a "m" and slope, and any y-intercept can have any y-intercept.

School Picture:

My name is: (equation in standard form) $x - 2y = -6$

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

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

At school, I go by: (slope-intercept equation)

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

About me:

My slope is: $\frac{1}{2}$ My y-intercept is: $(0, 3)$ or $b = 3$

Interesting facts: (3 additional points)

$(-2, 2)$ $(0, 3)$ $(2, 4)$

Two of my friends are:

(parallel) $y = \frac{1}{2}x - 2$

(perpendicular) $y = -2x + 4$

School Picture:

My name is: (equation in standard form)

$$y = 3x + 2$$

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

$$3x - y = -2$$

At school, I go by: (slope-intercept equation)

$$y = 3x + 2$$

About me:

My slope is: $m = 3$

My y-intercept is: $b = 2$

Interesting facts: (3 additional points)

$$(0, 2)$$

$$(1, 5)$$

$$(-1, -1)$$

Two of my friends are:

(parallel)

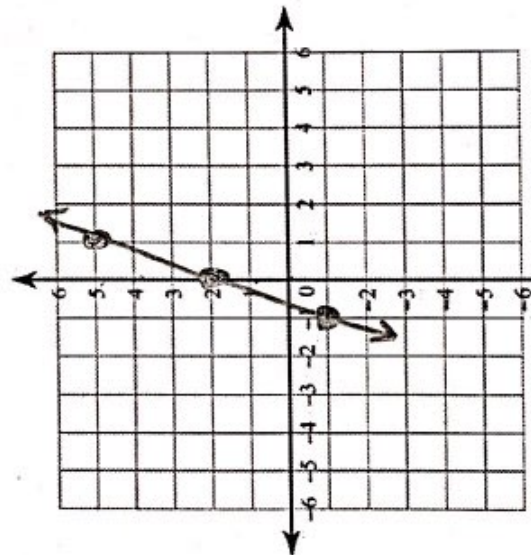
(perpendicular)

$$y = 3x + 707$$

↑ any

$$y = -\frac{1}{3}x + 17$$

School Picture:



My name is: (equation in standard form)

$$y = -x + 5$$

$$x + y = 5$$

At school, I go by: (slope-intercept equation)

$$y = -x + 5$$

About me:

My slope is: $-1 = m$

My y-intercept is: $5 = b$

Interesting facts: (3 additional points)

$$(0, 5)$$

$$(1, 4)$$

$$(-1, 6)$$

Two of my friends are:

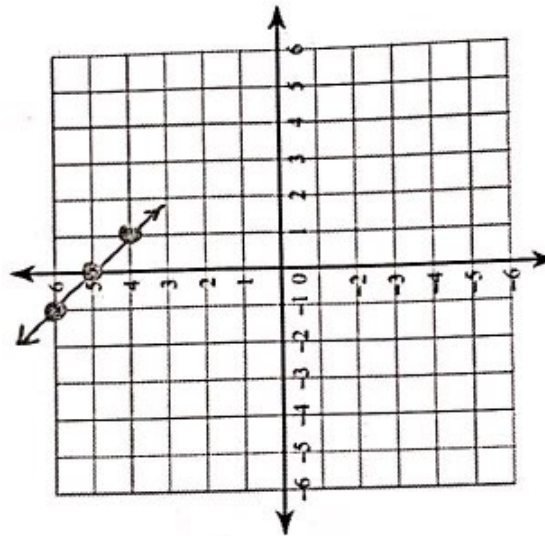
(parallel)

(perpendicular)

$$y = -x - 17,999$$

$$y = x + 7$$

School Picture:



My name is: (equation in standard form)

$$2x + 3y = 6$$

$$\frac{2x}{2} = \frac{6}{2}$$

X = 3
x-intercept

$$\frac{3y}{3} = \frac{6}{3}$$

y = 2
y-intercept

At school, I go by: (slope-intercept equation)

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

About me:

My slope is: $-\frac{2}{3}$

My y-intercept is: 2

Interesting facts: (3 additional points)

$(-3, 4)$

$(0, 2)$

$(3, 0)$

Two of my friends are:

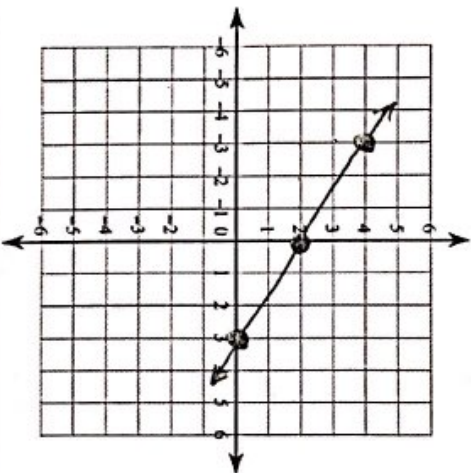
(parallel)

$$y = -\frac{2}{3}x + 17$$

(perpendicular)

$$y = \frac{3}{2}x - 17$$

School Picture:



My name is: (equation in standard form)

$$y = -3x - 1$$

$$3x + y = -1$$

At school, I go by: (slope-intercept equation)

$$y = -3x - 1$$

About me:

My slope is: -3

My y-intercept is: b = -1

Interesting facts: (3 additional points)

$(0, -1)$

$(-1, 2)$

$(1, -4)$

Two of my friends are:

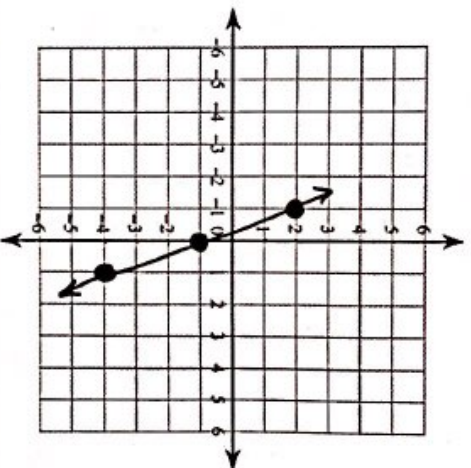
(parallel)

$$y = -3x + 77$$

(perpendicular)

$$y = \frac{1}{3}x - 77$$

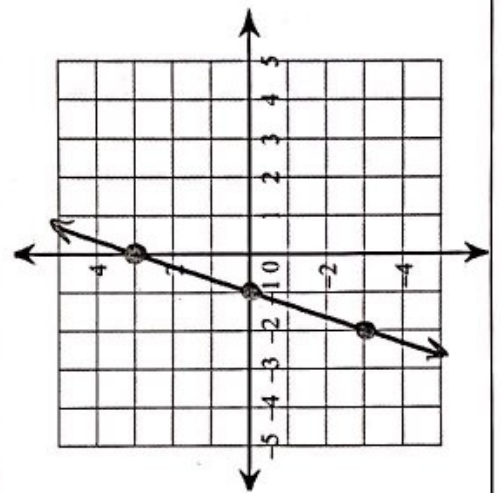
School Picture:



My name is: (equation in standard form)	
$y = -x - 2$ $+x$	
$x + y = -2$	
At school, I go by: (slope-intercept equation)	
$y = -x - 2$	
About me:	
My slope is:	My y-intercept is: -2
Interesting facts: (3 additional points)	
$(0, -2)$	$(1, -3)$
Two of my friends are:	
(parallel)	(perpendicular)
$y = -x + 4$	$y = x + 4$
School Picture:	

My name is: (equation in standard form)	
$y = -3x + 3$ $+3x$	
$3x + y = 3$	
At school, I go by: (slope-intercept equation)	
$y = -3x + 3$	
About me:	
My slope is:	My y-intercept is: 3
Interesting facts: (3 additional points)	
$(-1, 6)$	$(0, 3)$
Two of my friends are:	
(parallel)	(perpendicular)
$y = -3x + 17,000$	$y = \frac{1}{3}x + 55$
School Picture:	

My name is: (equation in standard form) $y = 3x + 3$ $-3x - 3x = -3x$ $-3x + y = 3$ $(-1)(-3x + y) = (3)(-1)$ $3x - y = -3$	
At school, I go by: (slope-intercept equation) $y = 3x + 3$	
About me:	
My slope is: 3	My y-intercept is: 3
Interesting facts: (3 additional points)	
$(-2, -3)$	$(-1, 0)$
	$(0, 3)$
Two of my friends are:	
(parallel)	(perpendicular)
$y = 3x + 256$	$y = -\frac{1}{3}x + 256$
School Picture:	



My name is: Write Your Own	
At school, I go by:	
About me: When I check this in your note book make sure you mention this.	
Interesting facts: This is how I know that you completed the fact checking process.	
Two of my friends are:	
School Picture:	

My name is: (equation in standard form)

$$y = -x - 4$$

$$x + y = -4$$

At school, I go by: (slope-intercept equation)

$$y = -x - 4$$

About me:

My slope is: -1

My y-intercept is: -4

Interesting facts: (3 additional points)

$(-1, -3)$

$(-3, -1)$

$(0, -4)$

Two of my friends are:

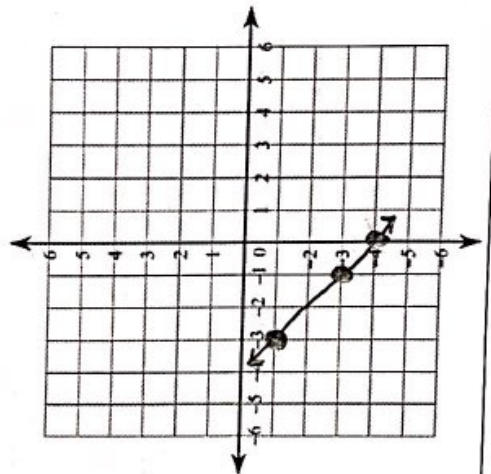
(parallel)

$$y = -x + 337$$

(perpendicular)

$$y = x - 337$$

School Picture:



My name is: (equation in standard form)

$$y = 2x - 5$$

$$-2x + y = -5$$

At school, I go by: (slope-intercept equation)

$$y - 5 = 2(x - 5)$$

$$y - 5 = 2x - 10 + 5$$

$$y = 2x - 5$$

About me:

My slope is: $m = 2 = \frac{-2}{-1}$

My y-intercept is:

Interesting facts: (3 additional points)

$(5, 5)$

$(3, 1)$

$(4, 3)$

Two of my friends are:

(parallel)

$$y = 2x - 337$$

(perpendicular)

$$y = -\frac{1}{2}x - 4$$

School Picture:

