Blockbusters!!!

Writing Equations

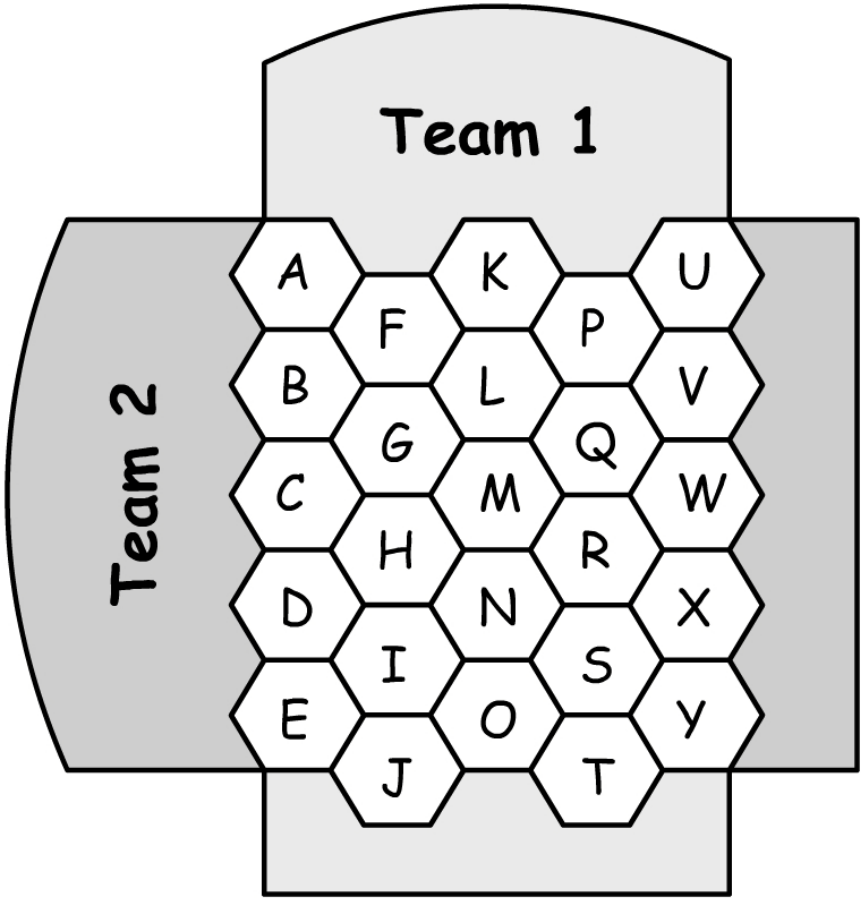
Rules of the Game

- Two teams play against each other to make it across the board before the other team.
- Team 1 asks for a letter. The teacher will click on that letter. Team 1 answers the question. If they are right, that block belongs to Team 1 and is colored in with Team 1's color. If they are wrong, they do not get the block and it is now Team 2's turn
- Each team is trying to get across the board while also blocking the other team's progress. The first team to make it to the other side wins.

BlockBusters

Choose a Question

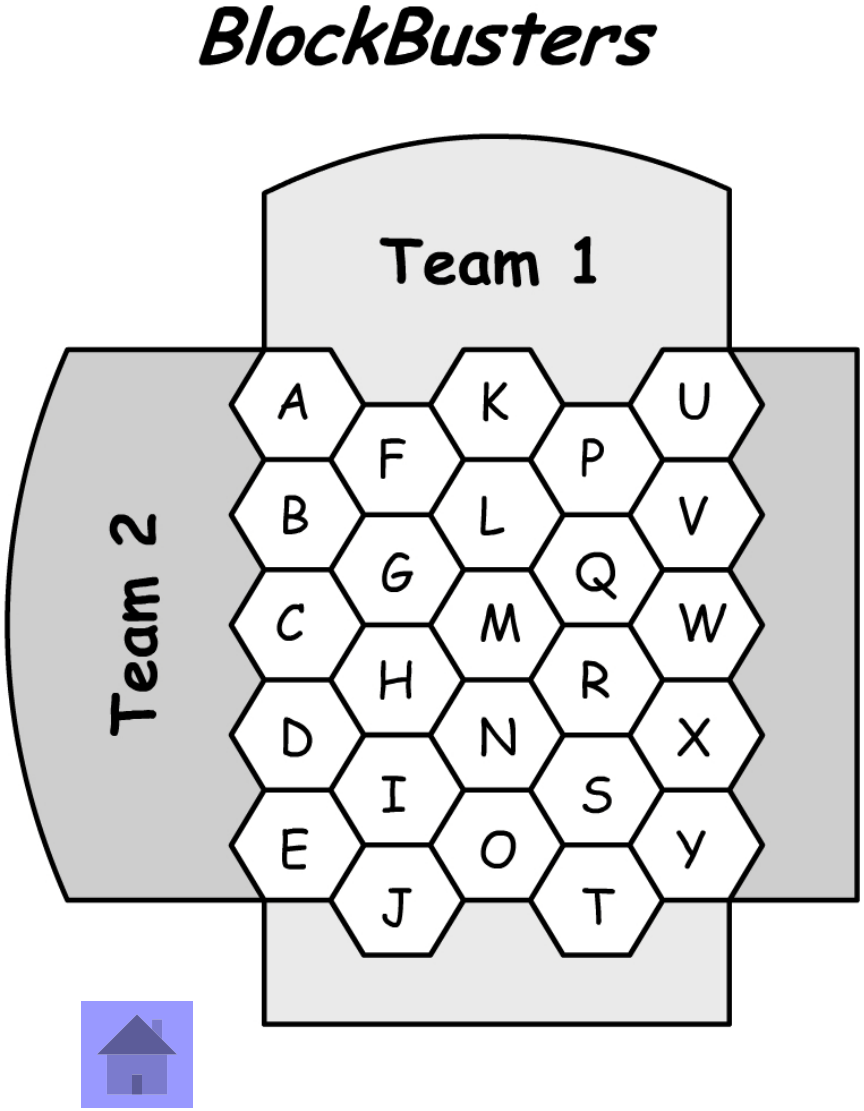
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y



A

Find the slope and y-intercept for the equation:

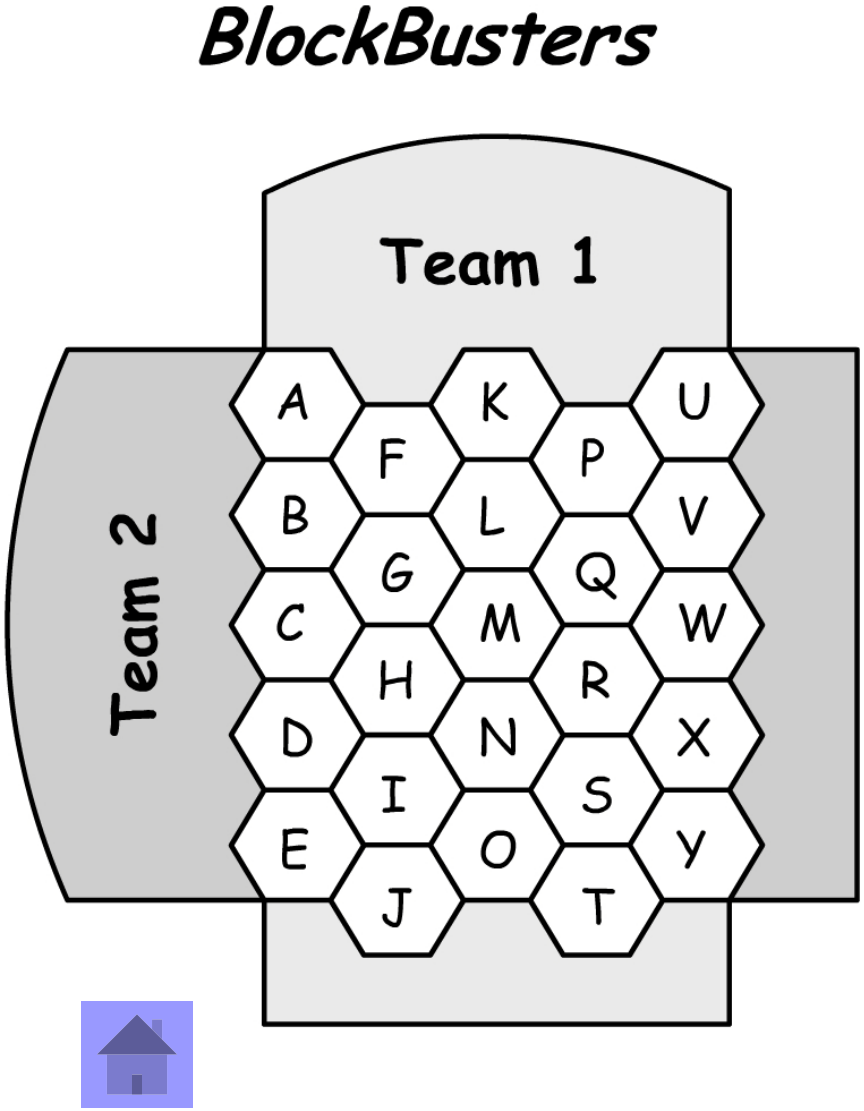
$4x - 8y = 10$



B

Find the coordinates of the x and y intercepts for the equation

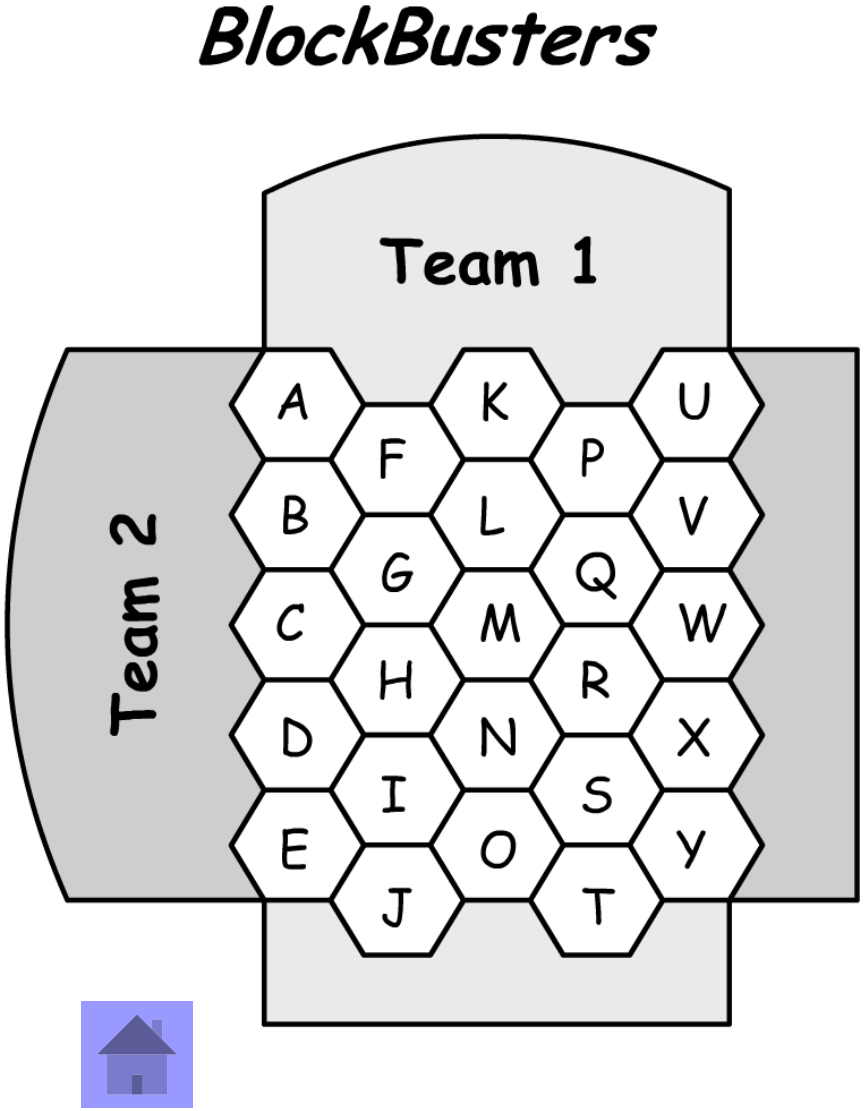
$5x + y = 5$



C

Find the slope of the line between the two points

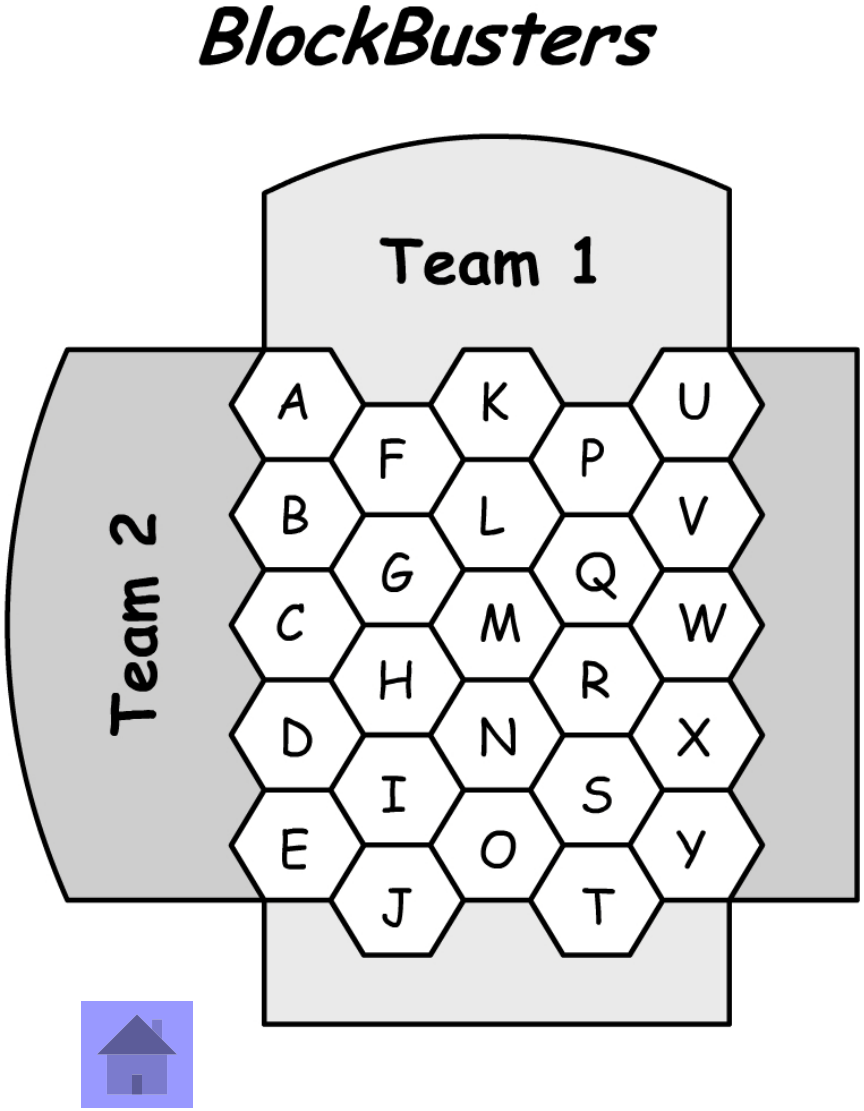
(5, -10) and (12, -7)



D

Is the point (-8, -7) on the line whose equation has the following slope and y-intercept?

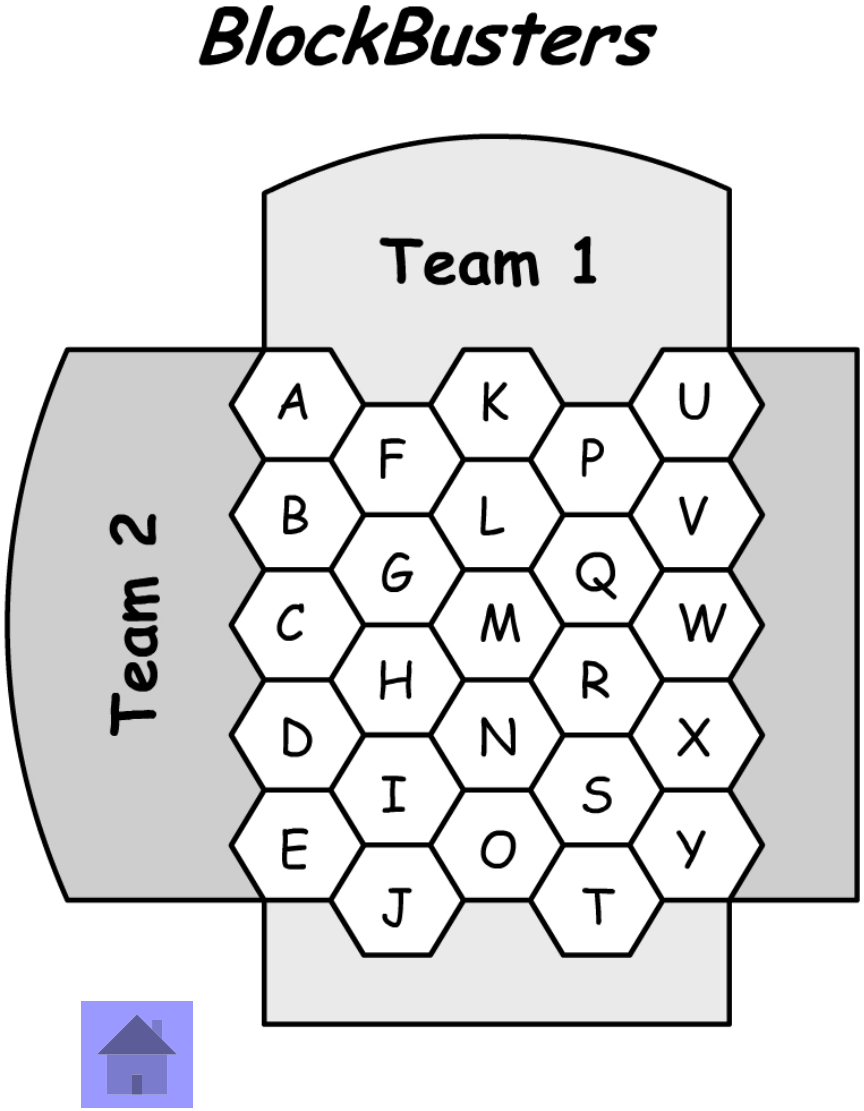
m = ½ ; b = -3



E

Find the slope and y-intercept for the equation:

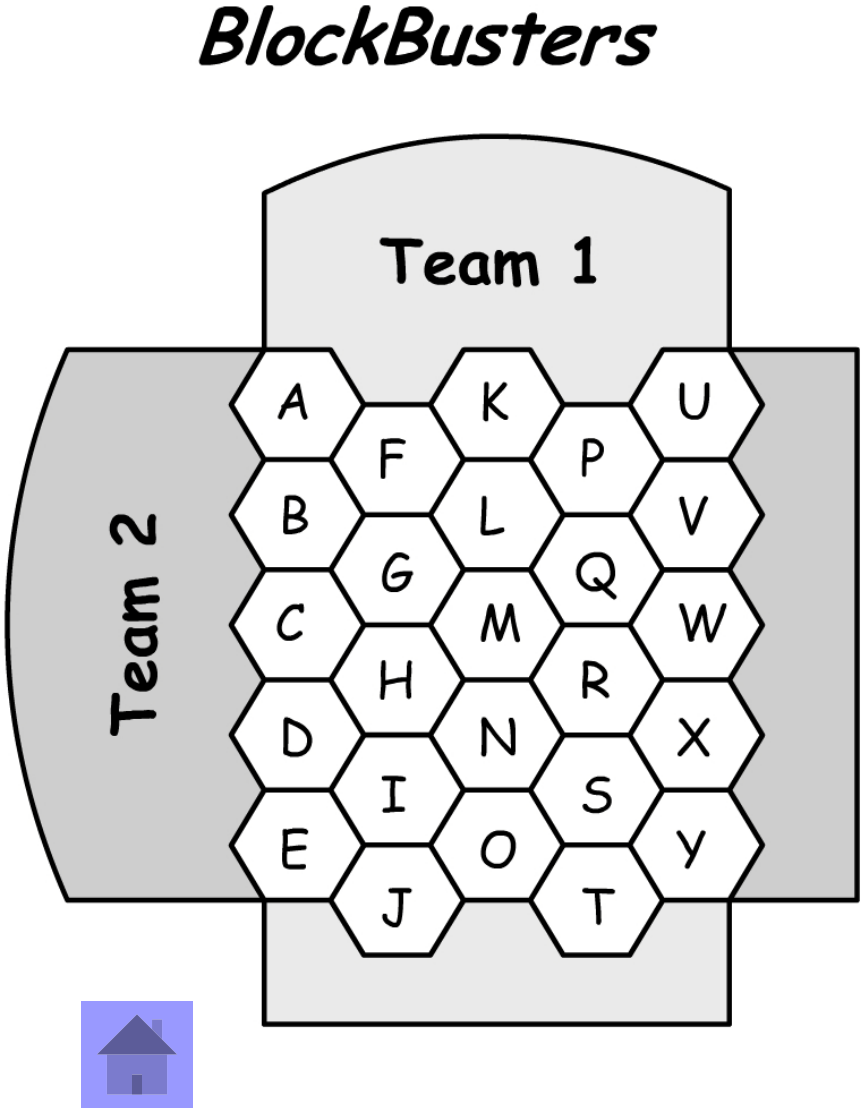
$6x - 7y = 28$



F

Write the equation in slope-intercept form for the given point and slope

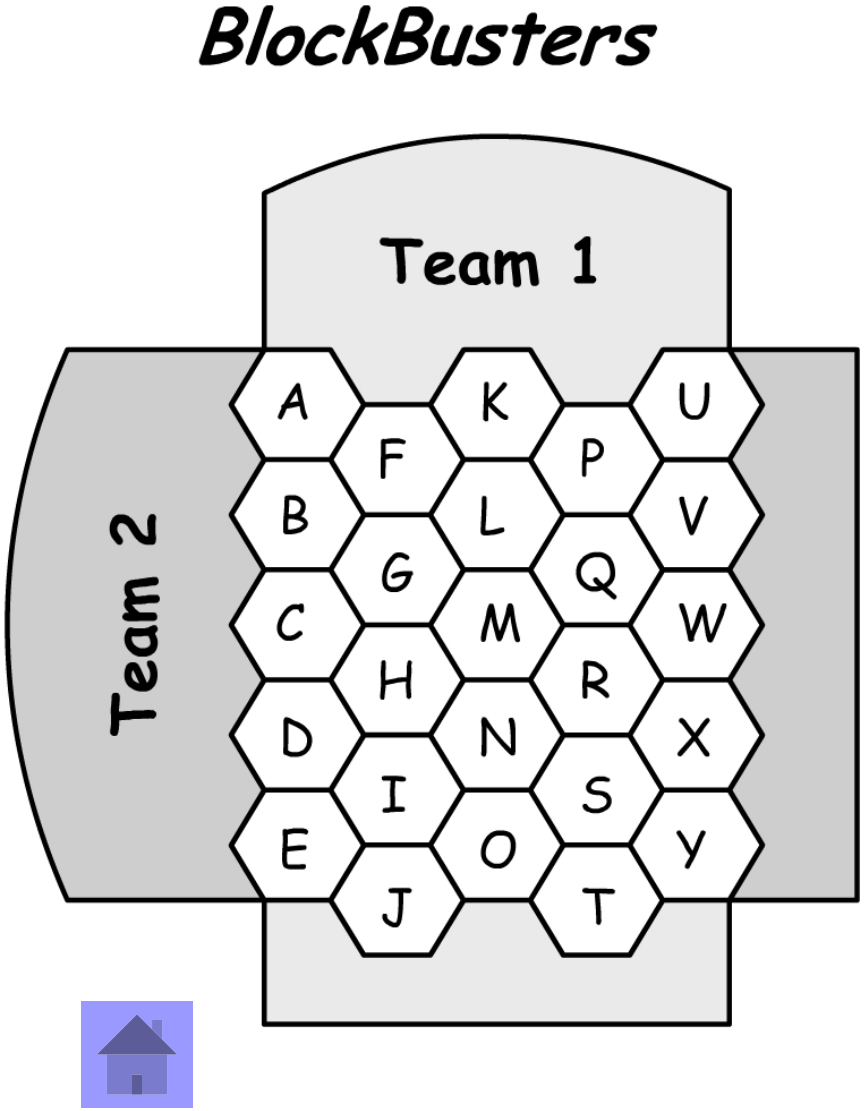
(-3, 4) with m = -2



G

Find the slope and y-intercept for the equation:

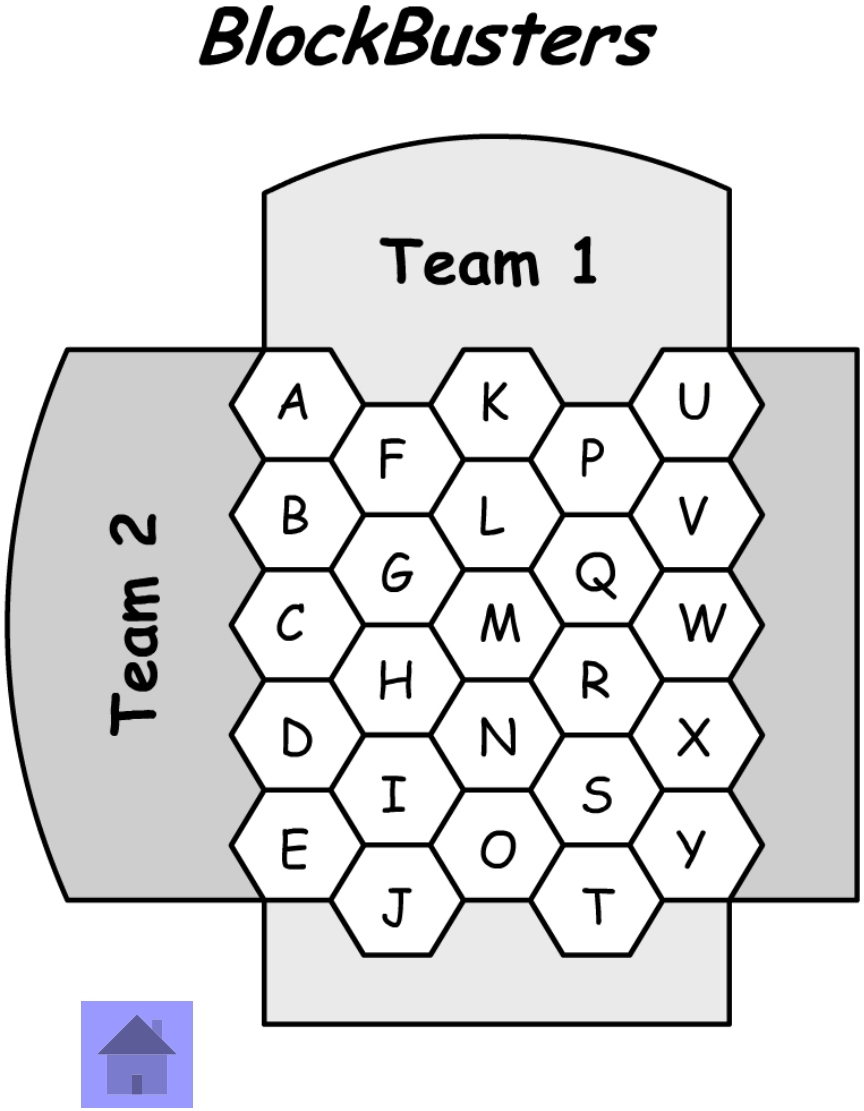
$3x + 2y = 10$



H

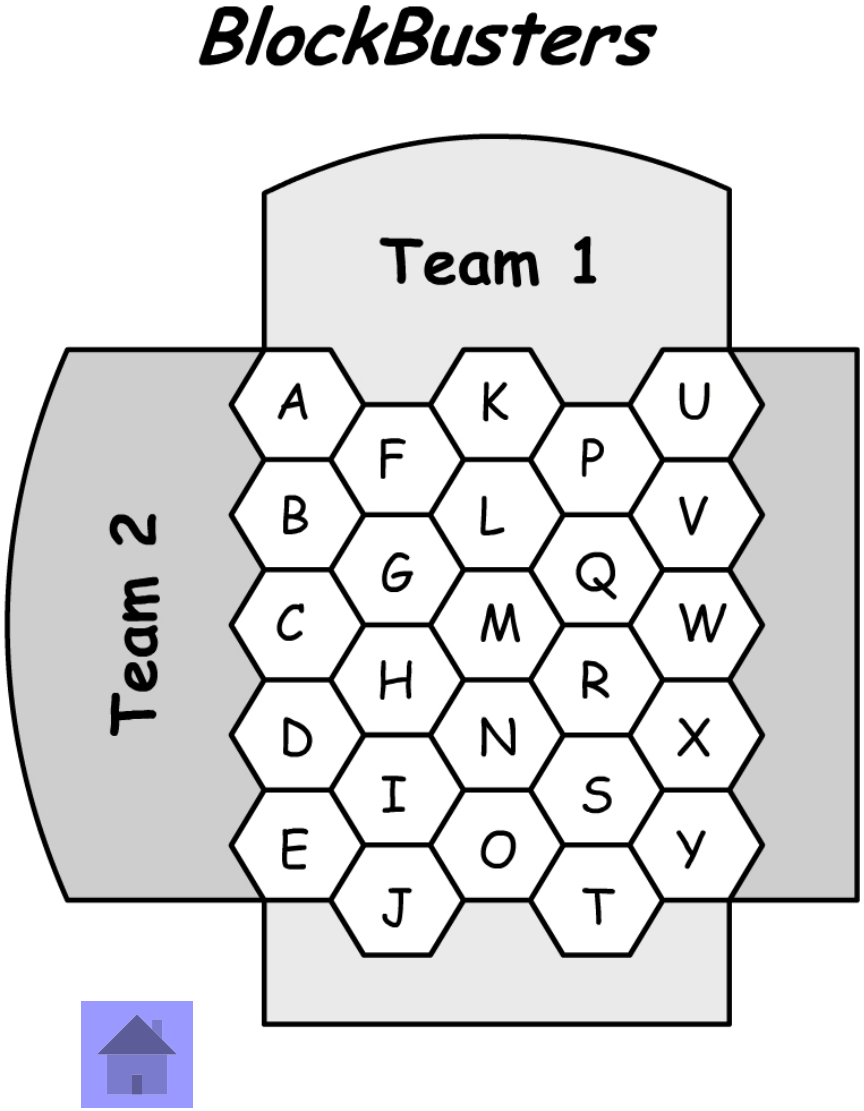
Is the point (4, 9) on the line whose equation has the following slope and y-intercept?

$m = \frac{3}{2}$; $b = 8$



Write the equation in point-slope form for the given point and slope

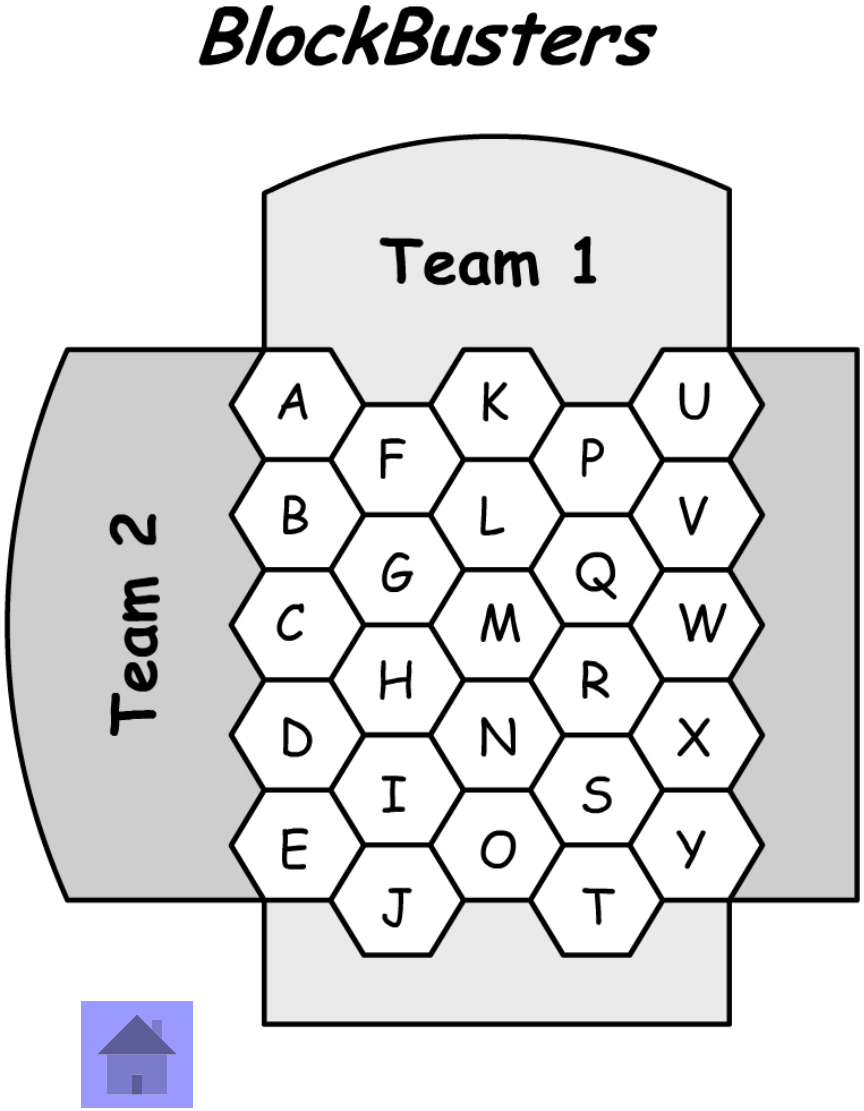
(3, -1) with m= -4



J

Find the slope of the line parallel to:

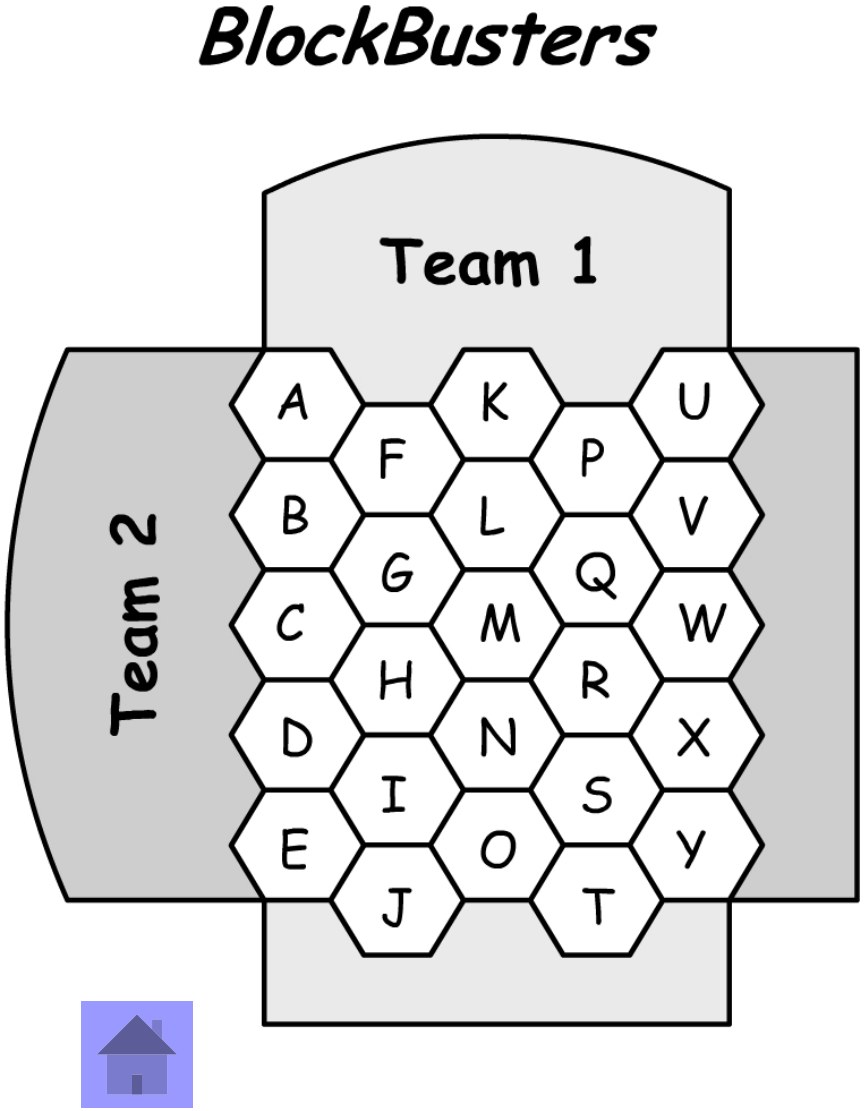
$6x + 16y = 8$



K

Write the equation of the line in slope-intercept form for the given point and slope

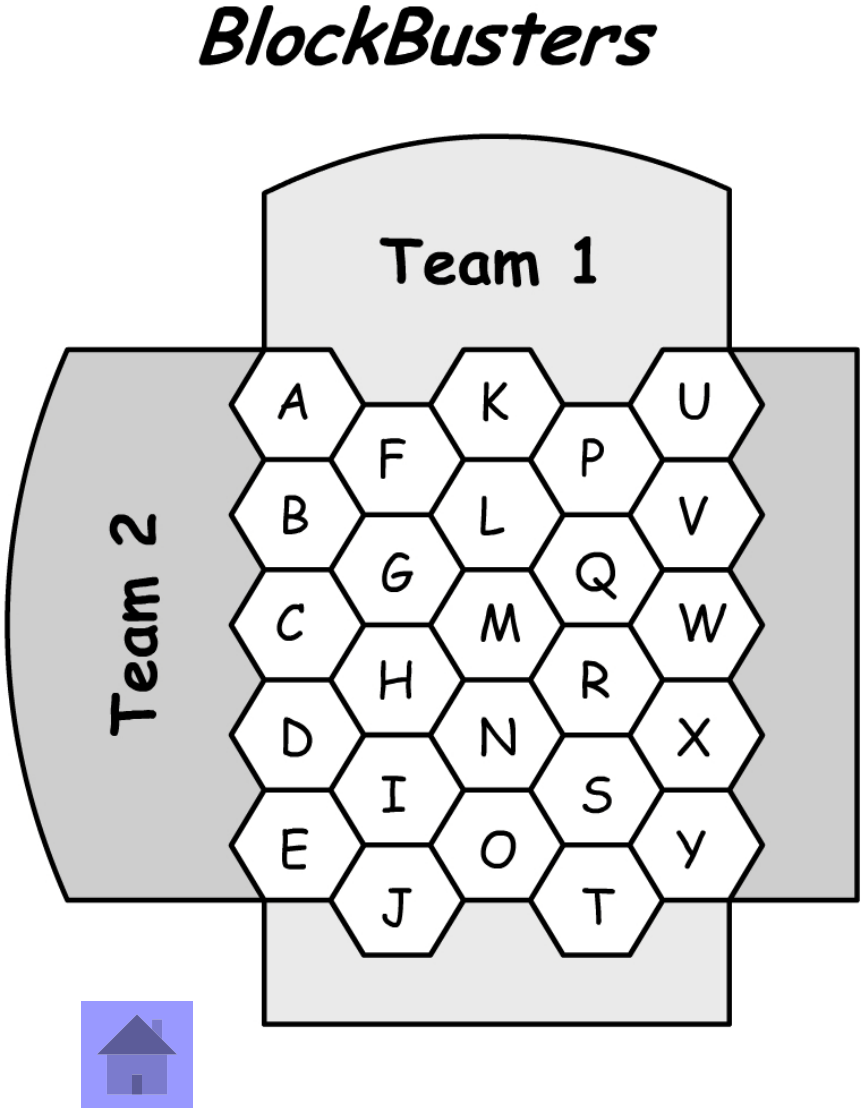
(8, 3) with m = ½



L

Find the slope of the line perpendicular to:

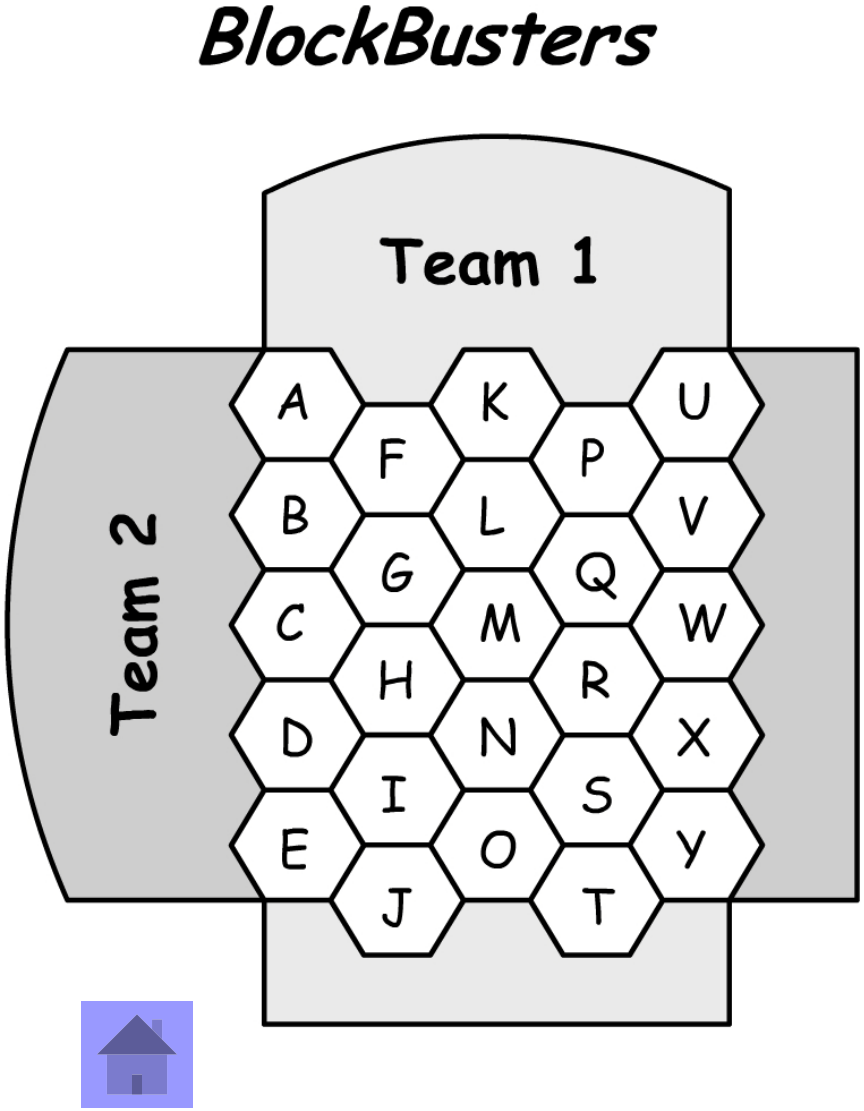
$5x - 4y = -1$



M

Find the slope of the line between the two points

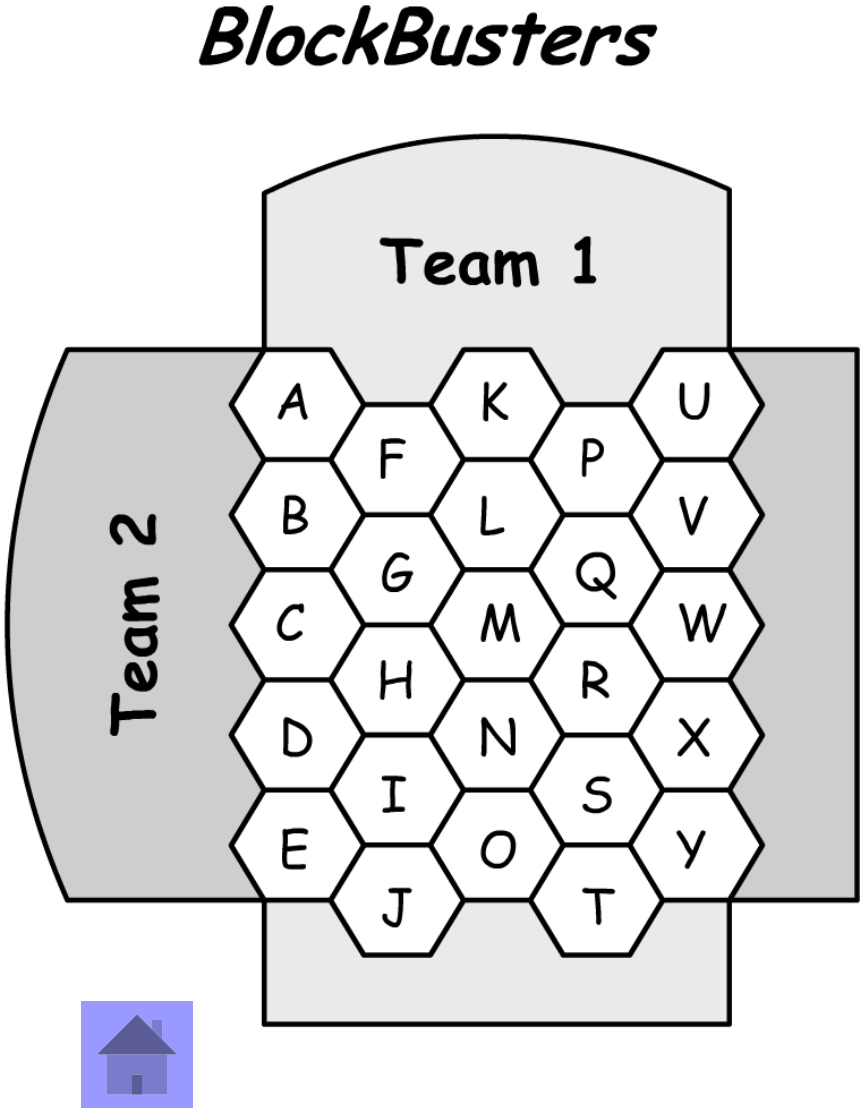
(6, -7) and (2, -7)



N

Find the slope of the line perpendicular to:

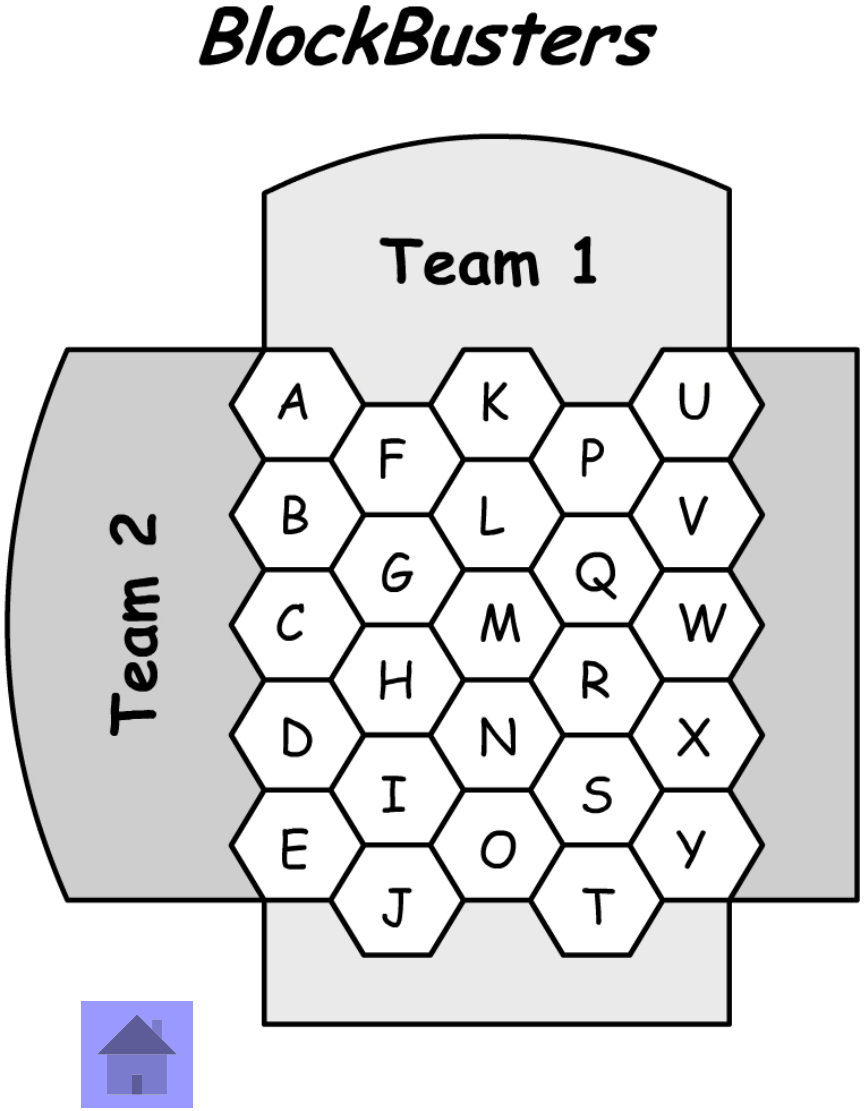
$4x - 3y = 7$



O

Find the slope of the line between the two points

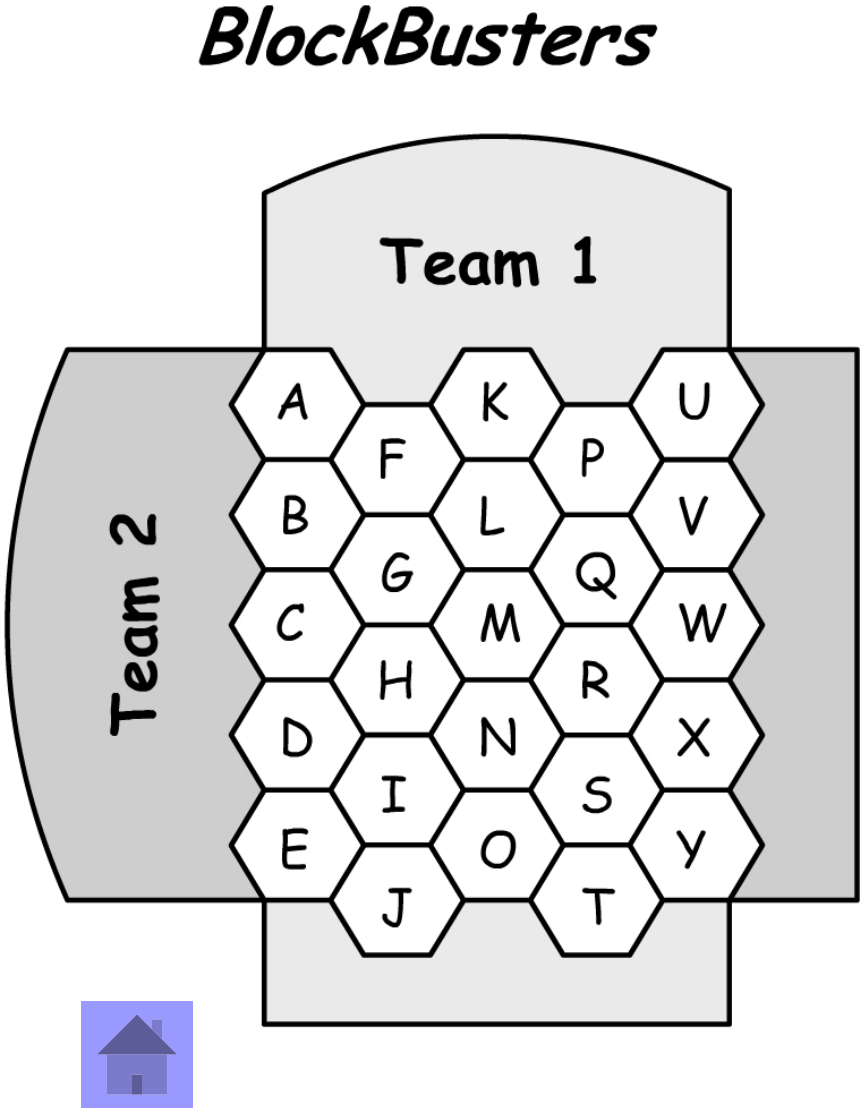
(-8, -5) and (-8, 5)



P

Find the slope of the line between the two points

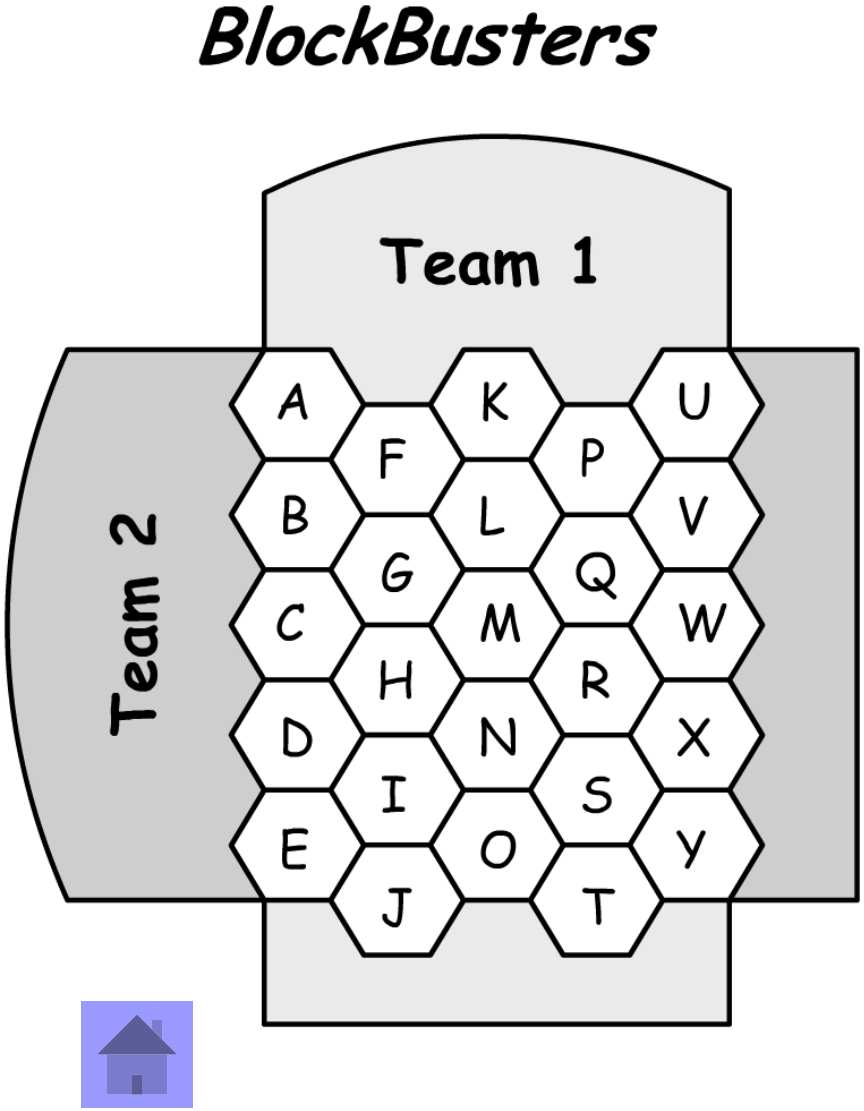
(1, -2) and (2, 5)



Q

Write the equation of the line between the two points in point-slope form:

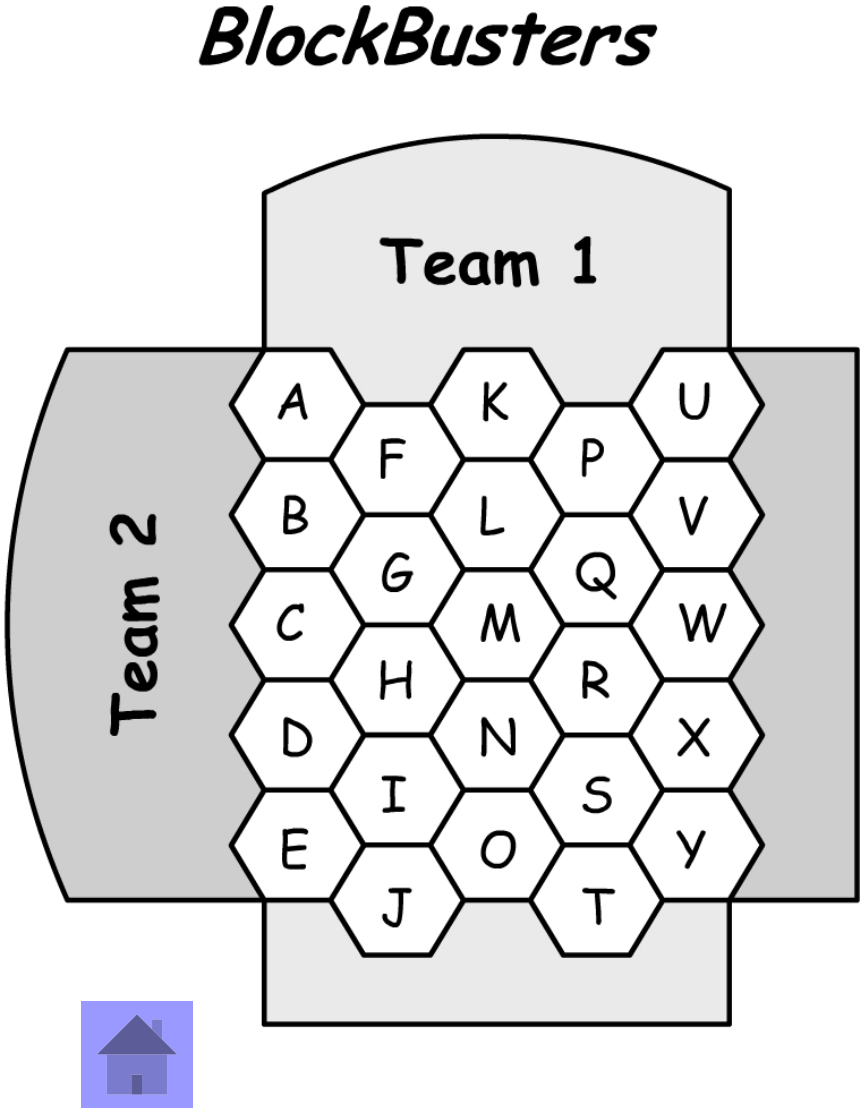
(-3, -2) and (4, 5)



R

Is the point (12, -2) on the line whose equation has the following slope and y-intercept?

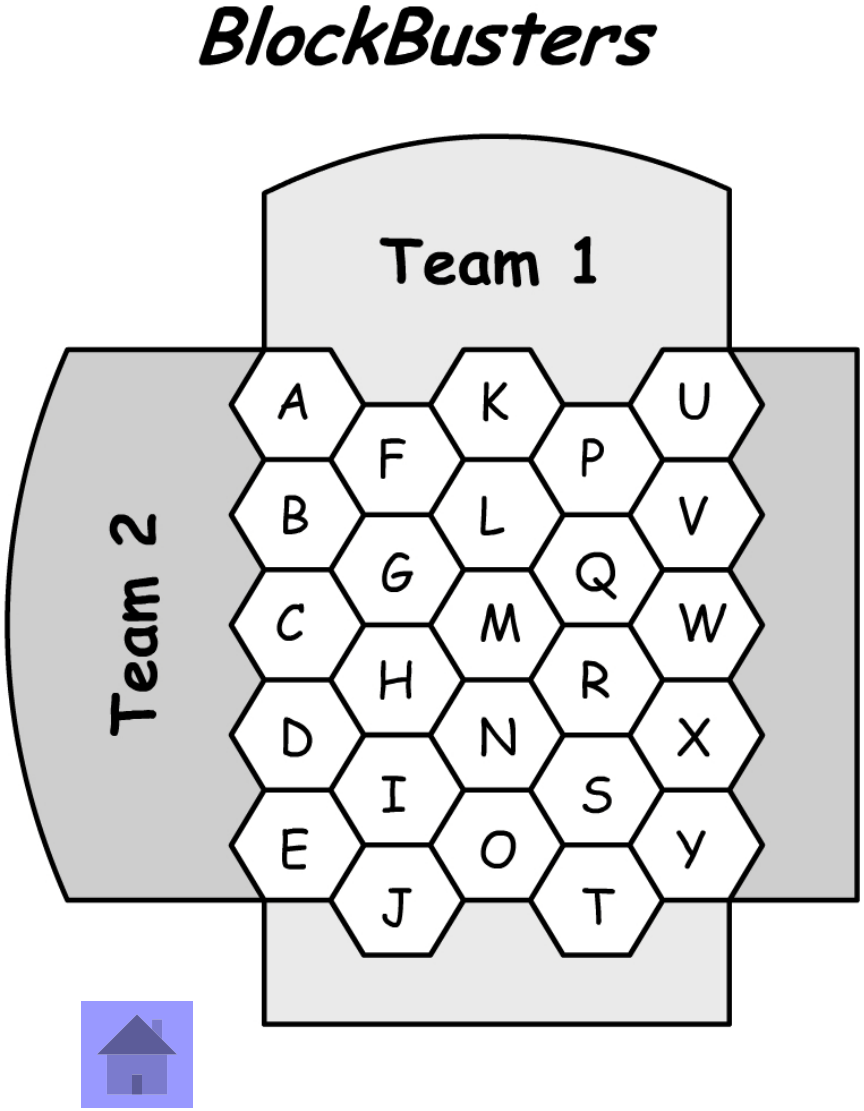
m = ¼ ; b = -5



S

Write the equation of the line between the two points in slope-intercept form:

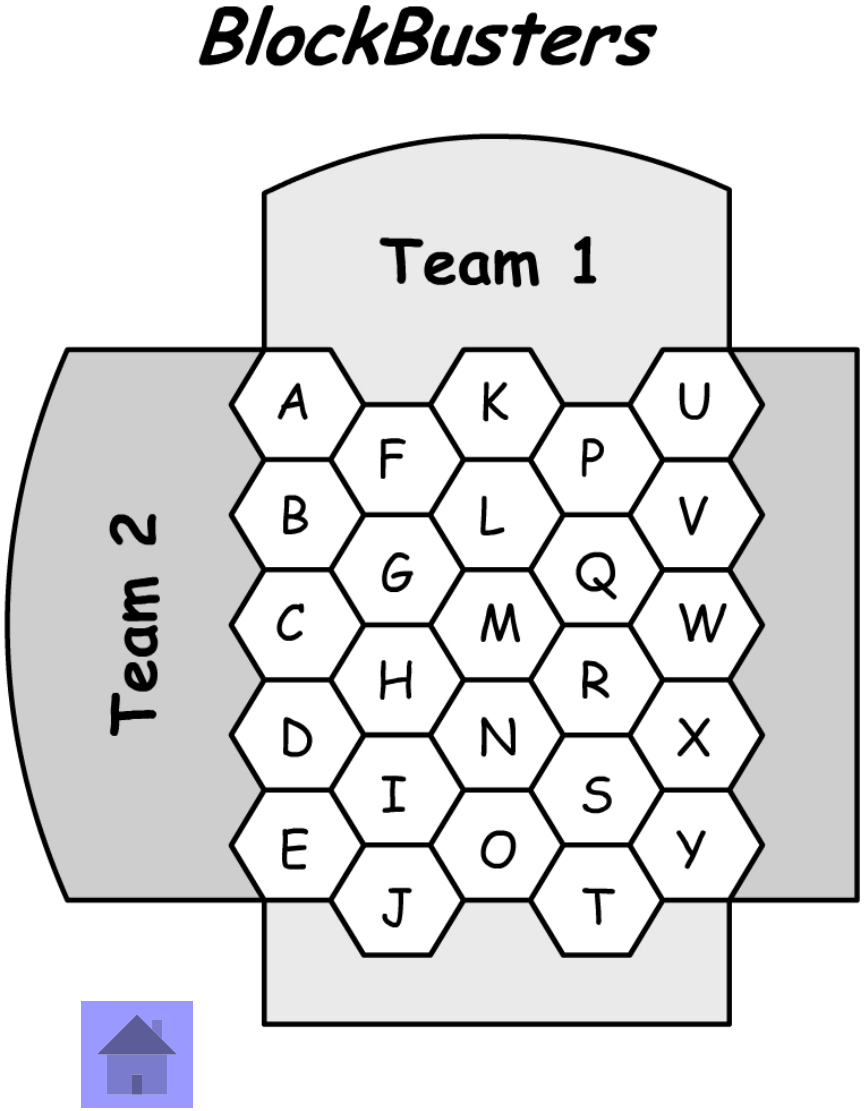
(6, 4) and (-8, 5)



T

Find the slope and y-intercept for the following equation:

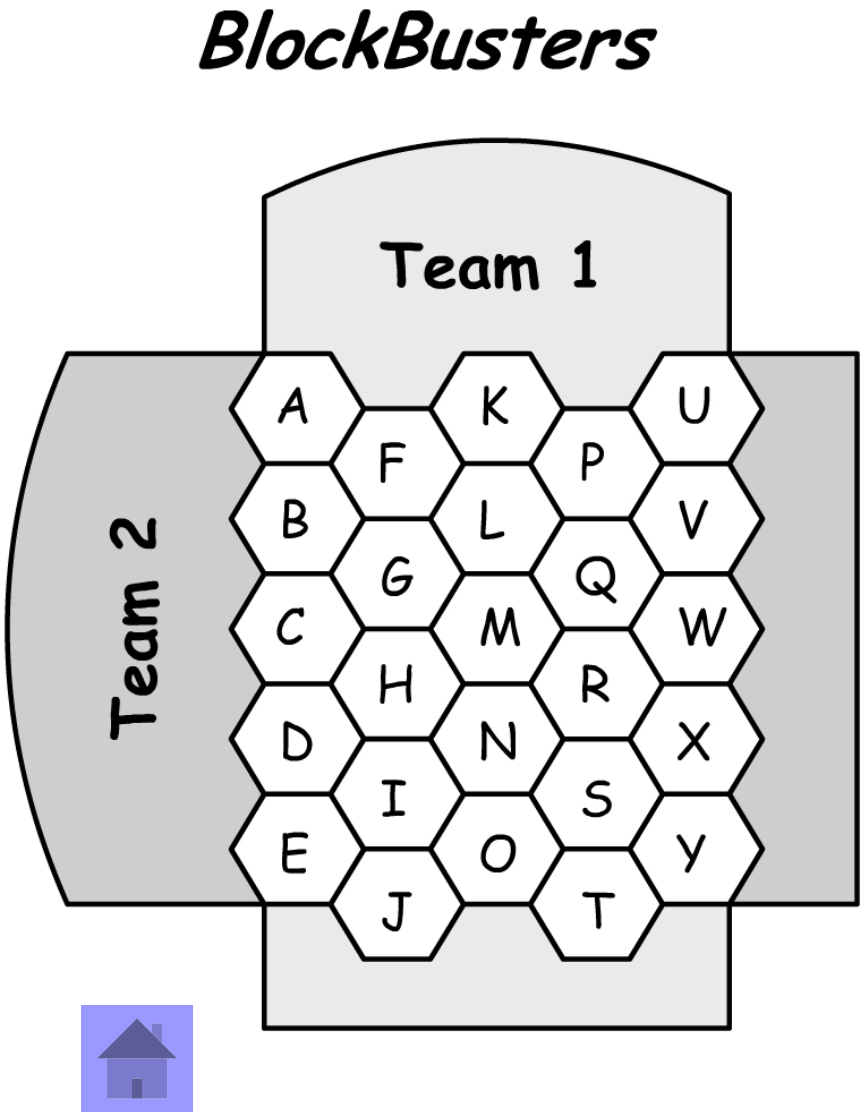
$4x + 7y = 14$



U

Is the point (-8, 10) on the line whose equation has the following slope and y-intercept?

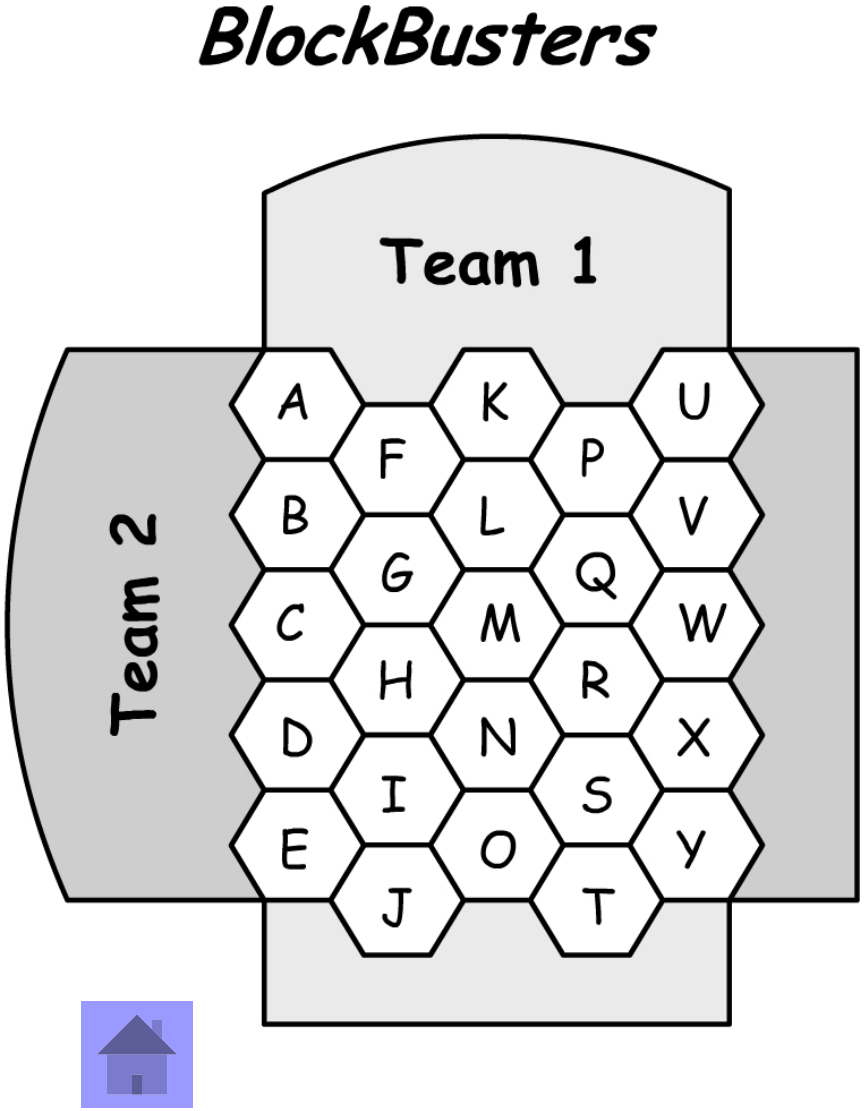
$m = -\frac{3}{4}$; b = 2



V

Write the equation of the line in point-slope form for the given point and slope.

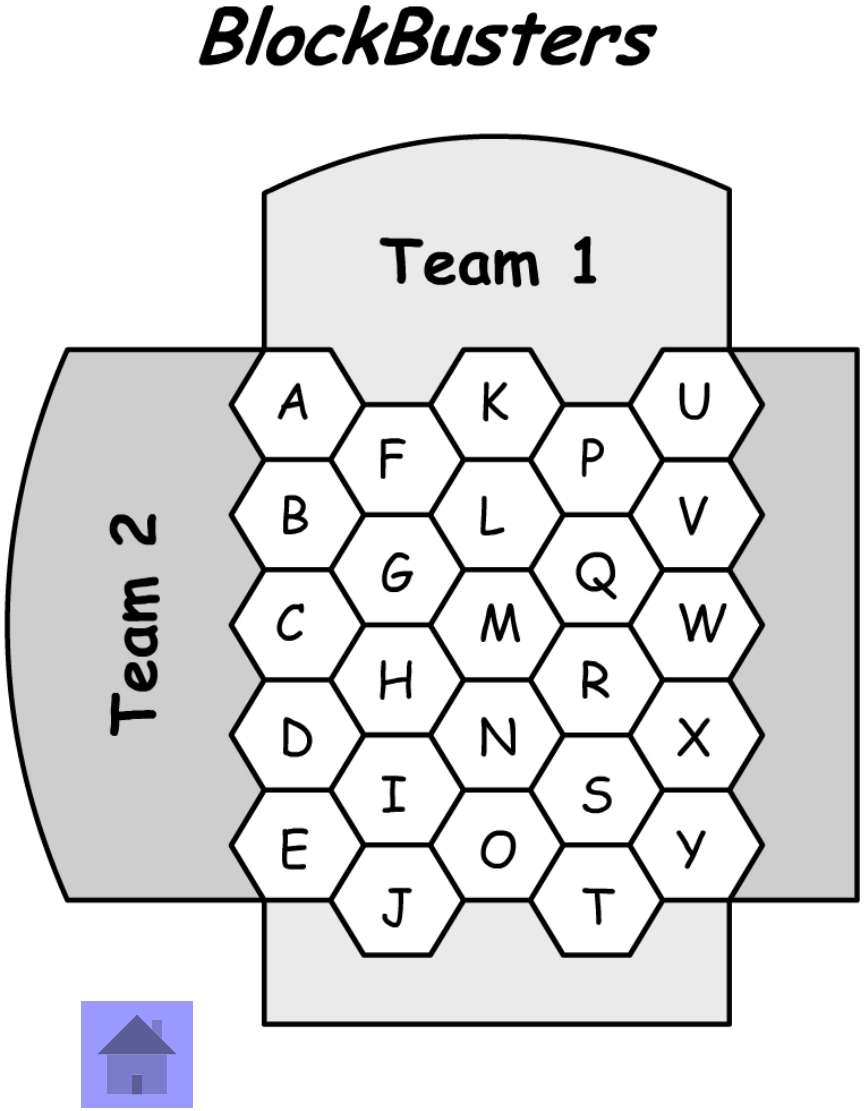
(4, 9) with m = $\frac{3}{4}$



W

Find the slope of the line parallel to the following line:

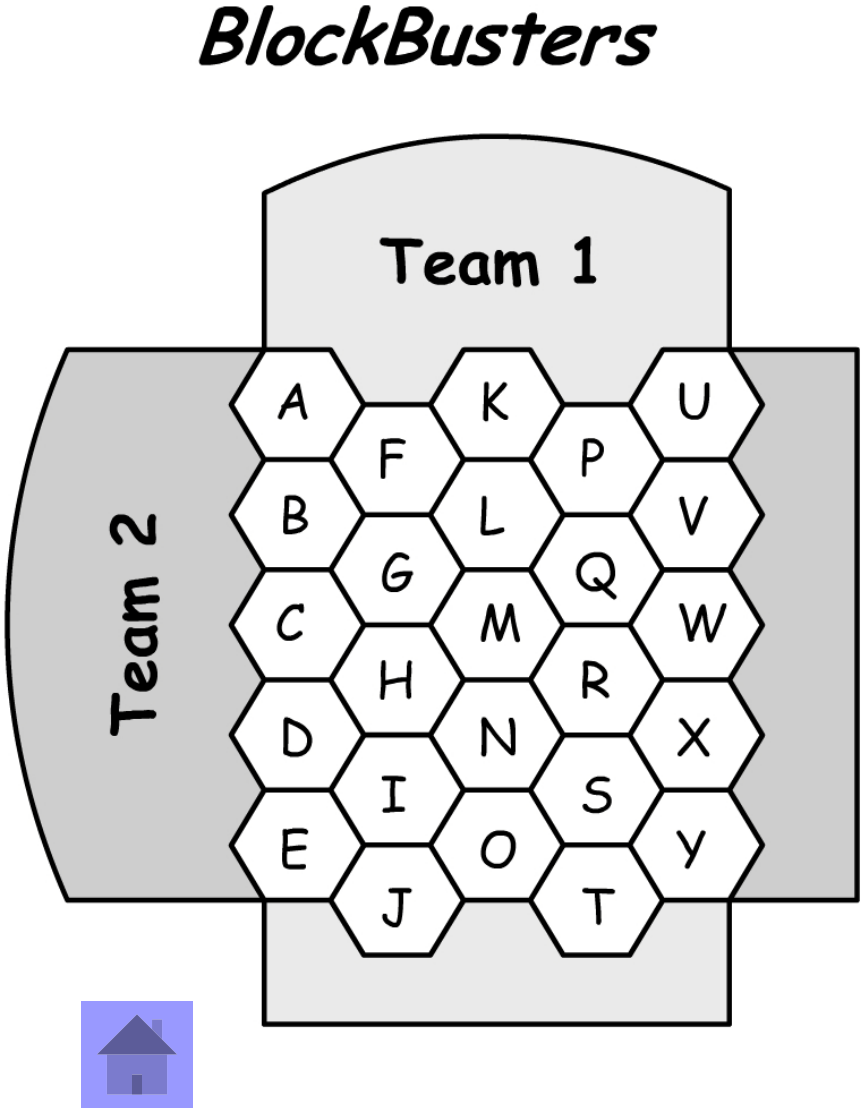
$7x + 2y = 3$



X

Find the coordinates of the x and y intercepts for the following line:

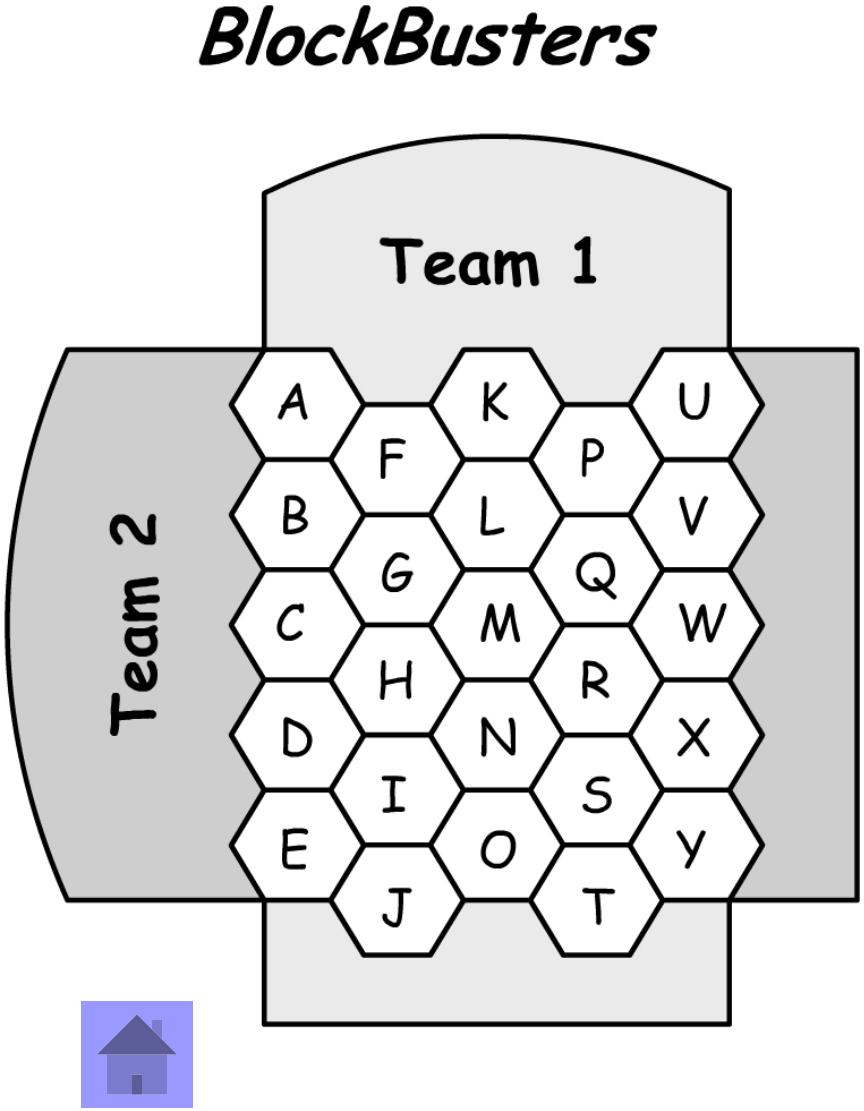
$5x + 2y = 10$



Y

Write the equation in slope-intercept form for the line containing the given point and given slope.

(-7, 2) and m=3



Z

Find the slope of the line between the two points

(-5, 0) and (-3, -8)