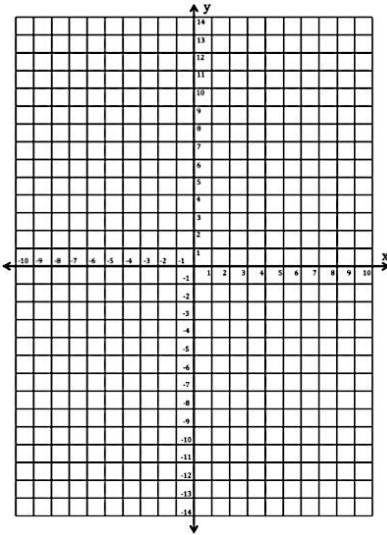


Linear Functions

For problems 1 through 6, make a table of three solutions for each equation. Then graph the equation.

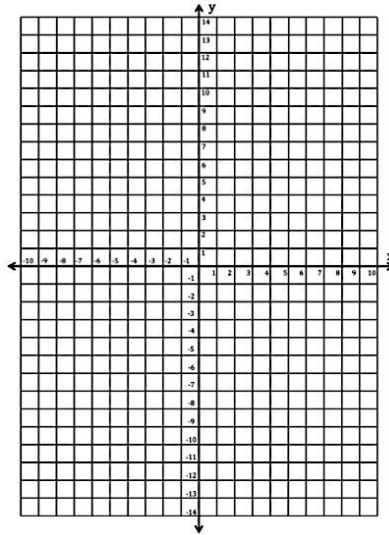
1) $y = 4x$

x	y	(x,y)



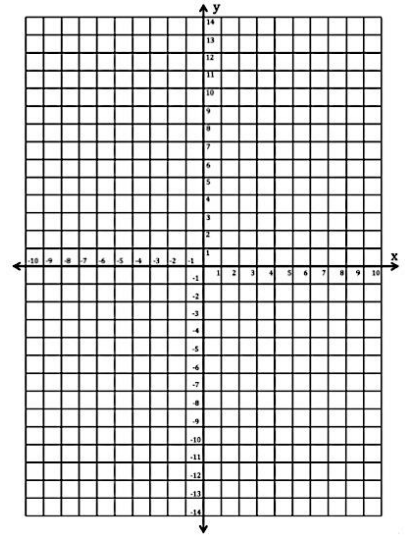
2) $y = -x - 1$

x	y	(x,y)



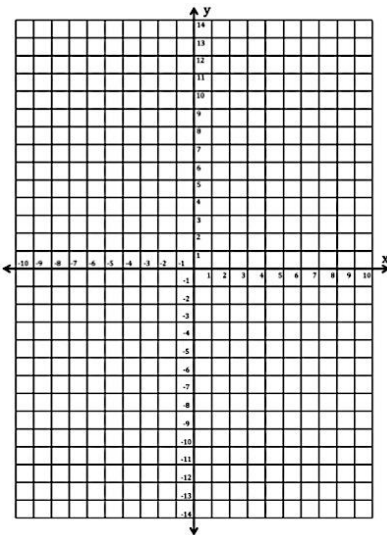
3) $y = \frac{1}{2}x + 5$

x	y	(x,y)



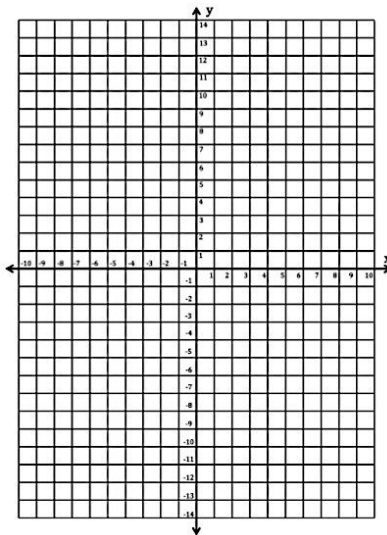
4) $y = -3x + 4$

x	y	(x,y)



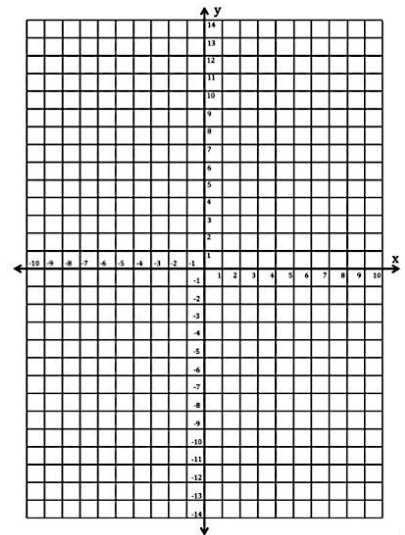
5) $y = 2x - 7$

x	y	(x,y)



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

x	y	(x,y)



7) Two points define a line. Why did we find and plot three solutions for the last six problems? (hint: It is not because Mr. Colby is a cruel taskmaster.)

Use the vertical line test to determine whether the graphed relations below are functions.

