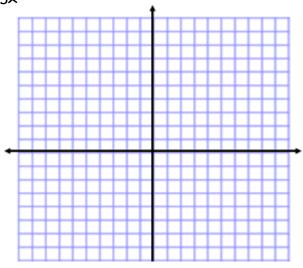
4.6 Graphing Linear Inequalities

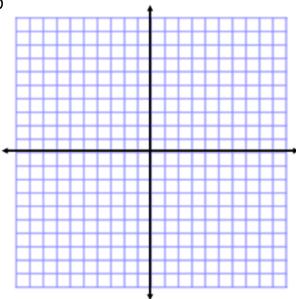
	Concepts Relate	ed to Straight Lines
	the slope of a line throu	gh two points
	slope-intercept form	
	point-slope form	
	vertical line	
	horizontal line	
parallel lines have _	slopes	
Perpendicular lines have		slopes
		half-planes. The points on one side of the points on the other side of the line are in the
The line itself		
-If the boundar	y line is included, then	the half-plane is said to be closed.
-If the boundary	line is not included, th	nen the half-plane is said to be open.
or	means the line	is solid (included)
or	means the line	is dashed (not included)

Graph the following:

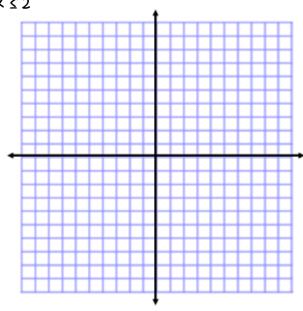
a) y > 3x



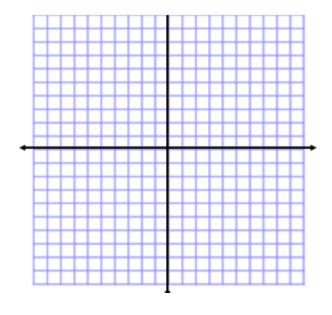
b) x - y > 0



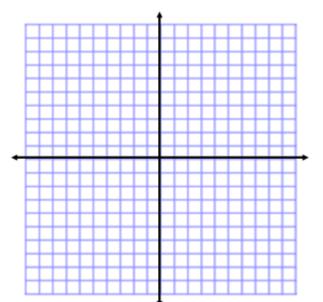
C) $2y - x \le 2$



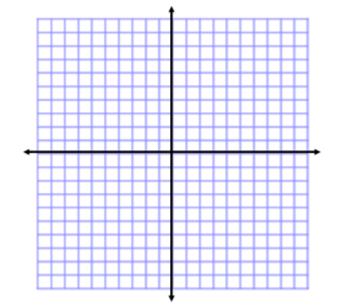
d) 4x + 2y ≥ 10

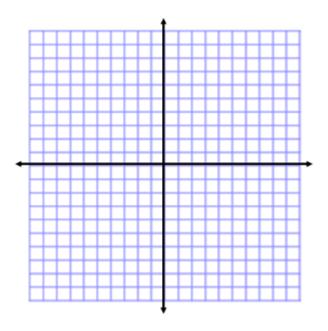


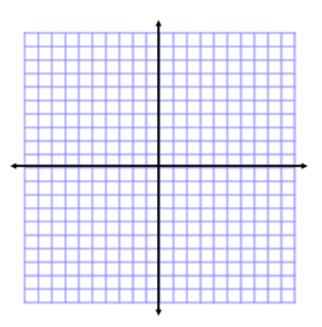
e) y ≥ x +1



f) $y > 2/3 \times -3$







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