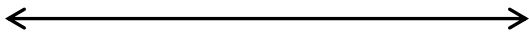


MAKING CONNECTIONS: INEQUALITIES

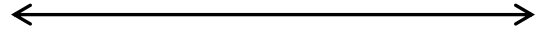
One Variable Inequalities

Solve each inequality and graph the solution.

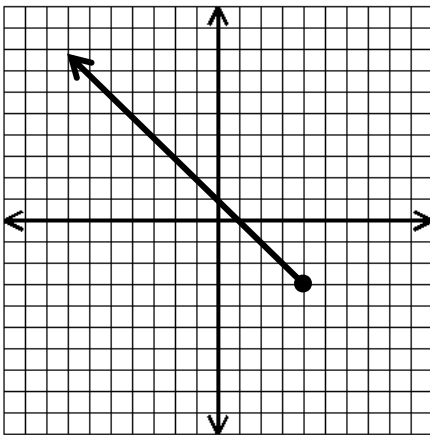
1. $10 - 3x \geq -8$



2. $-2 > 7a - 2(a - 4)$

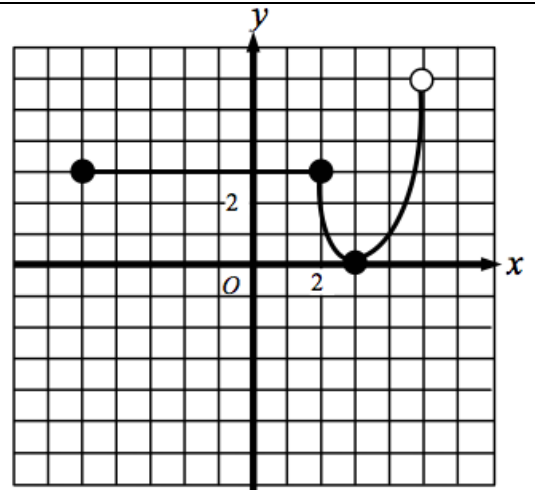


Write the domain and range of the following graphs.



Domain: _____

Range: _____



Domain: _____

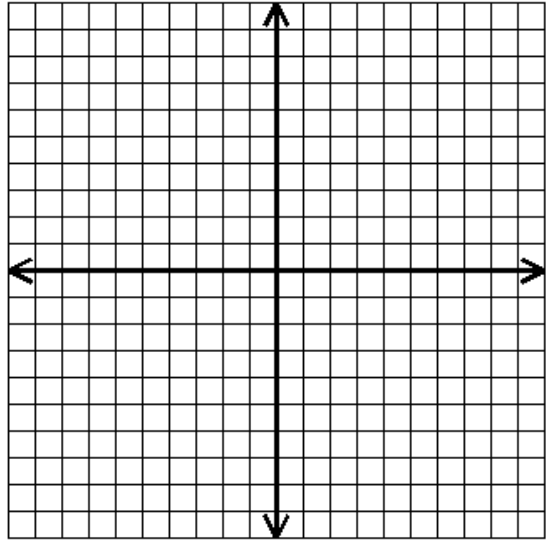
Range: _____

Two Variable Inequalities

INEQUALITY $x + 2y < -2$

Write the inequality in slope-intercept form:

GRAPH



TABLE

Point	Above/Below/On	Solution
(-4 ,5)		Yes or No
(2, 1)		Yes or No
(-2, -6)		Yes or No
(2, -2)		Yes or No
(-6, 2)		Yes or No
(3, -7)		Yes or No
(-12, -15)		Yes or No

VERBAL

For this problem, how could you describe the location of the points that made the inequality true?

In general, how could you describe the location of the points that make an inequality true?