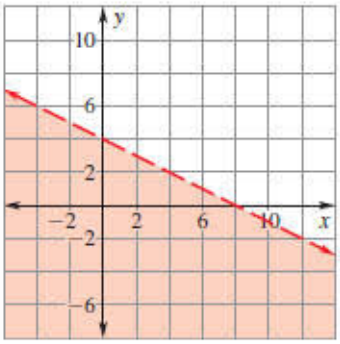
Algebra 1: 7.1 Warm Up **Name** _____ **Period** _____
Writing a Linear Inequality

Math Challenge



Write the linear inequality in slope-intercept form for the graph displayed above.

$y < -\frac{1}{2}x + 4$

Is the point (8, 0) a solution?

No, (8, 0) lies on the dashed line. Each point on a *dashed* boundary line is not a solution. Only points on a solid boundary line are solutions.