

Name: \_\_\_\_\_

10 JAN 2018

Jessie correctly determined that the point  $(-6, 4)$  is a solution to  $y > 5x + 7$ .

$x, y$

$$\begin{aligned} & y > 5x + 7 \\ & 4 > 5(-6) + 7 \\ & 4 > -30 + 7 \\ & 4 > -23 \end{aligned}$$

What step did Jessie take first to determine if the point is a solution to the inequality?

She substituted  $-6$  for  $x$

4 for  $y$

How did Jessie know from her result that the point is a solution?

$4 > -23$  is  
TRUE