Chapter 6, Practice Ouiz 1	Name:	Name:	
Lessons 6.1, 6.2, and 6.3	Date:	Hour:	
Skills Assessed:		1.,.	
I can graph linear inequalities in one I can write, solve and graph compou I can solve multi-step linear inequal	ind inequalities. Ind inequalities. Ities and use them to model / solve	r mequaimes. real-life problems.	
1) Sketch a graph of the inequality:	$x \le 8$ 1)		
2) Solve the inequality and graph the se	olution.		
5x < -25	2)		
	Graph:		
3) Solve the following inequality:			
$10x-12 \geq \ 3x+16$	3)		

4) Erica has scored 85 goals in her high school soccer career. She needs to score 97 to tie the school record for most goals scored. Let *x* represent the number of goals Erica needs to score to tie or beat the school record.

a) Write an inequality to find x:	a)
b) What is the least number of goals Erica needs to score?	b)

c) Graph the solution.

c) _____

- 5) Write an inequality that describes the graph shown below.
 - -12 -10 -8 -6 -4 -2 0
- 6) Sketch a graph of the inequality below.
 - x > 12 or $x \le 7$
- Solve the following inequality and graph the solution. Show your work.
 - $\text{-} \ 2 < \ \text{-} 2x + 1 \ \leq \ 7$

 Consider the triangle below. Write a compound inequality that describes the possible lengths of the side of the triangle labeled *x*. Use the fact that the sum of any two sides of a triangle is greater than the length of the third side.





5) _____

6) _____

7) _____

Graph: _____

8) _____