Algebra III Inequalities 8/24/17

1. Sketch each interval.

2.



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/ 1 1 1 1			
-10 -9 -8 -7	'-6 -5 -4 -3 -2 -1 0 1 2 3 4	4 5 6 7 8 9 10	-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10
a.	$14 + 2m \le 3m$	1	$-4k \leq 32$

3. Solve

a. A rental company charges \$5 to rent a carpet cleaner, plus \$4.25 per hour. Margie can spend no more than \$39 to clean the carpets in her home. What is the maximum amount of time she can use the cleaner?

b. Michael has scores of 92, 90, and 84 on his first three tests. What score must he earn on his fourth test to keep an average of at least 90?