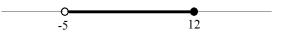
QUIZ 1 - MATH 112 YOUR NAME:

Read each problem **very carefully** before starting to solve it. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [2 points] Consider the interval shown below. Write the same interval in:



(a) set notation (please, be precise).

(b) interval notation.

2. [5 points] Find an equation for the line ℓ that passes through the point (5, 17) and is perpendicular to the line ℓ' passing through the points (7, 2) and (16, 5).

3. [3 points] Simplify the following expression (write it as a single power of x).

$$\frac{\sqrt[3]{x^5}}{(x^{-2})(\sqrt{x^3})} =$$