Print Name: _____ Circle Section Time: 10 or 11

Math 1100 **Quiz 6** **NO CALCULATORS**

1. [5 points] Solve the inequatity $|4x - 2| \leq 5$. Express your answer in interval notation and graph it on the real number line.

2. [5 points] Find the domian of $f(x) = \dfrac{x^3 - 1}{\sqrt{7 - x^2}}$. Express your answer in interval notation and graph it on the real number line.

3. [5 points] Graph $f(x) = x^3 - 8$. Label at least four points on your graph, including any x or y-intercepts.