Name:

MATH 30-1

LOGARITHMS HOMEWORK QUIZ *(After Lesson 5)*

1. Express each of the following in logarithmic form.

a)  b) 

2. Express each of the following in exponential form.

a)  b) 

3. Determine the value of x in each.

a)  b) 

c)  d) 

4. In 1985, an earthquake with a magnitude of 6.9 on the Richter scale was recorded in the Nahanni region of the Northwest Territories. The largest recorded earthquake in Saskatchewan occurred in 1982 near the town of Big Beaver. It had a magnitude of 3.9 on the Richter scale. How many times as great was the earthquake in Nahanni compared to the Saskatchewan earthquake?

5. The graph of  is below. Sketch  on the same grid.

