Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Logarithms and Exponentials Quiz**

1. Evaluate/simplify the following expressions:
2. b) c)

d) e) f)

1. Solve the following exponential logarithmic equations for x.
2. b) c)
3. Lucy invests $2000 into an account that earns 6% compounded monthly. How long will it take until the investment is worth $16000?
4. Use Kepler’s Law to determine the amount of days D it takes for Mars to go around the Sun if the planet’s average distance from the Sun k in millions of kilometres is 227.9.