Name: **Math 2**

Date: **Practice Quiz 1-B**

1. Write each polynomial in standard form, classify it, and list the coefficients starting with the leading coefficient.

a) $\frac{2x}{3} + 1$

b) $-10x^3 + x^5 - \frac{x^2}{9} + \frac{\pi x}{6}$

2. Let b represent the expression $\frac{9x + 6\sqrt{3x}}{9x - 12}$.

a) Simplify b.

b) Multiply b by 4.

3. State whether each expression is positive, negative, zero, or undefined.

a) $(-25)^{2000}$

b) -8^{410}

c) $(-5)^2 - 4(10)(-3)$

d) $\frac{650 - 34}{34 - 650}$

4. Evaluate. Write answers in scientific notation.

a) $-3(¼)^{18}$

b) $\frac{18 - 384}{70 - 50\sqrt{2}}$