Quiz 7

Name:

Solutions given without showing work will earn a zero. This quiz is closed-book. Circle your answers.

Problem 1. [3 points] Divide $\frac{4.8 \times 10^{12}}{8 \times 10^{-2}}$. Write your answer in scientific notation.

Problem 2. [2 points] Find the domain on $f(x) = \sqrt{1-2x}$

$$|-2 \times | = 0$$

$$| = 2 \times$$

$$| = 2 \times$$

Problem 3. [2 points] Evaluate the following radicals or state if they do not exist.

(a)
$$\sqrt[3]{-125}$$
 - 5

(b)
$$\sqrt[4]{-16}$$
 $\triangleright \sim F$

Problem 4. [3 points] Completely simplify the following expression. There should not be negative exponents in your answer (though there may be negative numbers).

$$2^{-2} \times^{4} y^{-8} (-2)^{2} \times^{2} y^{-9} = \frac{4 \times^{4} \times^{2}}{4 y^{8} y^{9}} = \frac{\times^{6}}{y^{12}}$$