

QUIZ 3

Name _____

1. Find each of the following quantities. allowed.)

(a) $-521 + 211$

(b) $(-32)(-10)$

(c) $\left(\frac{-1}{12} + \frac{2}{11}\right) - \frac{-1}{12}$

(d) $-64 \div 4$

2. Write each of the following with no exponents.

(a) $(3^{-2})^{-2}$

(b) $\frac{3^4 3^{-5}}{3^{-2}}$

(c) $(-8)^{\frac{2}{3}}$

3. For each of the following numbers determine whether it is rational or irrational.

(a) $\sqrt{49}$

(b) 3.939393939393...

(c) $\sqrt{2}$

(d) 2.79813512913....