

Name: _____

Date: _____

QUIZ – ERROR ANALYSIS

1. (20%) Write in scientific notation using 3 significant figures
 - a. 5.3412
 - b. 0.0310
 - c. 10.35
 - d. 10000

2. (20%) Write the number 202.354 in scientific notation using
 - a. 1 significant figure: _____
 - b. 2 significant figures _____
 - c. 3 significant figures _____
 - d. 4 significant figures _____

3. (10%) Write the number 966000 in scientific notation with 2 significant figure

4. (10%) Write the number 0.000966 in scientific notation with 1 significant figure

5. (40%) Given that $M = \sqrt{\frac{x}{y}} - z$, where: $x = 22.3, y = 5.6, z = -3.9$
 - a. (10%) Write down the exact value of M

 - b. (10%) Write down the value of M in scientific notation with 3 s.f.

 - c. (10%) Write down the value of M in scientific notation with 2 s.f.

 - d. (10%) Write down the value of M in scientific notation with 1 s.f.