

Quiz 1.1 and 1.2 INCLASS

(PRINT YOUR NAME)

VERSION 1.

1. TRUE FALSE Every real number is expressible as a decimal. (Circle your response.)

2. A company had revenue of \$42 million in 2005 and \$120 million in 2009. Determine the percent of change in revenue from 2005 to 2009. (Give your answer to the nearest whole percent.)

$$\frac{120-42}{42} \times 100 = \frac{78}{42} \times 100 \approx 1.857 \dots \times 100$$

$$\approx 185.7 \Rightarrow 186$$

ANSWER = 186%

3. Determine the median of the set of numbers {-10, 25, 20, -30, 55, 61, -35}.

$$-35, -30, -10, \underset{\uparrow}{20}, 25, 55, 61$$

ANSWER = 20

4. Determine the midpoint of the line segment from A(5,2) to B(-3, 6).

$$\frac{5+(-3)}{2} = 1 \quad \frac{2+6}{2} = 4$$

ANSWER = (1, 4)

5. Write the number 312.18745 in scientific notation to the nearest thousandth.

$$3.1218745 \times 10^2$$

$$3.122 \times 10^2$$

ANSWER = 3.122 × 10²

Quiz 1.1 and 1.2 INCLASS

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VERSION 2.

1. TRUE **FALSE** Every real number expressible as a decimal is a rational number.
(Circle your response.)

2. A company had revenue of \$39 million in 2005 and \$120 million in 2009. Determine the percent of change in revenue from 2005 to 2009. (Give your answer to the nearest whole percent.)

$$\frac{120-39}{39} \times 100 = 2.0769... \times 100 = 207.69$$

ANSWER = 208%

3. Determine the median of the set of numbers {-10, 75, 15, -30, 55, 61, -35}.

-35 -30 -10 15 55 61 75
 ↑↑

ANSWER = 15

4. Determine the midpoint of the line segment from A(6,2) to B(-4, 8).

$$\frac{6+(-4)}{2} = 1 \quad \frac{2+8}{2} = 5$$

ANSWER = (1, 5)

5. Write the number 512.28745 in scientific notation to the nearest thousandth.

$$5.1228745 \times 10^2$$
$$5.123 \times 10^2$$

ANSWER = 5.123 × 10²

