

Name _____

Date _____

Mr. Tallman

Math 7

Homework # 12 – Converting Between Fractions and Decimals

Convert the following fractions into decimals using long division. Show all work.

1) $\frac{4}{25}$

Answer: _____

2) $\frac{7}{9}$

Answer: _____

3) $5\frac{3}{8}$

Answer: _____

4) $\frac{6}{8}$

Answer: _____

5) $\frac{37}{50}$

Answer: _____

6) $\frac{34}{99}$

Answer: _____

Convert the following decimals into fractions or mixed numbers in lowest terms.

7) 0.6

8) 0.66

9) -1.375

10) 0.27

11) -0.04

12) 3.127

13) Which of the following fraction converts to a **repeating decimal**?

A) $\frac{4}{25}$

B) $\frac{1}{2}$

C) $\frac{33}{99}$

D) $\frac{1}{10}$