

Name: _____ Quiz Score: _____/20

Quiz 4: Friday, February 13, 2015

No calculators.

1. (8 pts) Perform the long division by hand to find the decimal expansion, terminating or repeating, of each of the following rational numbers.

(a) $\frac{13}{8}$

(b) $\frac{25}{11}$

2. (12 pts) Convert the following repeating decimal numbers to fractions in lowest terms.

(a) $0.4999\dots = 0.4\overline{9}$

(b) $0.001232323\dots = 0.001\overline{23}$

Do you know another decimal expansion for $0.4\overline{9}$?