Name: _____ Quiz Score:_____/20

Quiz 5: Wednesday, February 18, 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) $\dfrac{437}{25}$ (b) $\dfrac{56}{11}$

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

    (a) $0.00999\ldots = 0.00\overline{9}$ (b) $123.456456456\ldots = 123.\overline{456}$

    Do you know another decimal expansion for $0.00\overline{9}$?