

Math 085 - Quiz 2

February 4, 2013

Name key

Score _____

Show all your work to receive full credit. Supply explanations when necessary.

NO CALCULATORS ARE ALLOWED ON THIS QUIZ!

1. (1 point) Estimate the sum: $6357 + 6517 + 5889 + 6004 + 6498$

Approximately $5 \times 6000 = 30,000$

2. (3 points) Solve each equation.

(a) $6x = 222$

$$x = 222 \div 6 \\ = \underline{37}$$

$$\begin{array}{r} 37 \\ 6 \overline{) 222} \\ \underline{18} \\ 42 \\ \underline{42} \\ 0 \end{array}$$

(b) $p \div 9 = 11$

$$p = \underline{99}$$

(c) $t + 19 = 42$

$$t = 42 - 19 = \underline{23}$$

3. (0.5 point) Estimate by rounding to the nearest ten: 85×63

$$90 \times 60 = \underline{5400}$$

4. (0.5 point) Compute 7^3 .

$$7^3 = 7 \times 7 \times 7 = 49 \times 7 = \underline{343}$$

$$\begin{array}{r} 6 \\ 49 \\ \times 7 \\ \hline 343 \end{array}$$