

Math 085 - Quiz 5

February 18, 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) Without actually computing the product, determine whether the product will be positive or negative. Explain how you know.

$$-1837 \times 2109$$

$$\text{NEG} \times \text{POS} = \text{NEG}$$

ANSWER IS NEGATIVE.

2. (3 points) Compute each product or quotient.

(a) $-4 \times (-8) = +32$

(b) $81 \div (-9) = -9$

(c) $-28 \div (-4) = +7$

(d) $10 \times (-20) = -200$

(e) $-9 \times 6 = -54$

(f) $-56 \div 8 = -7$

3. (1 point) Compute $5 + 20 \div (-5) \times 3 + 3$.

$$5 + (-4) \times 3 + 3$$

$$5 + (-12) + 3 = \underline{\underline{-4}}$$