

Math 085 - Quiz 5

September 12, 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.

$$1372 \times (-3771)$$

A POSITIVE TIMES A NEGATIVE IS A NEGATIVE.

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

(a) $63 \div (-9) =$

$$-(63 \div 9) = \boxed{-7}$$

(b) $-9 \times 6 =$

$$-(9 \times 6) = \boxed{-54}$$

(c) $-36 \div (-4) =$

$$36 \div 4 = \boxed{9}$$

(d) $20 \times (-40) =$

$$-(20 \times 40) = \boxed{-800}$$

(e) $-3 \times (-9) =$

$$3 \times 9 = \boxed{27}$$

(f) $-48 \div 6 =$

$$-(48 \div 6) = \boxed{-8}$$

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

$$\underbrace{5 + 20 \div (-5) \times 3 + 3}$$
$$5 + (-4) \times 3 + 3$$

$$5 + (-12) + 3 = 8 + (-12) = \boxed{-4}$$