

# Math 085 - Quiz 1

August 22, 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) A sheet of paper is 7in wide and 13in long. If both sides of the paper are used, what is the area of the space available for printing?

$$7 \times 13 = 7(10+3) = 70 + 21 = 91 \text{ in}^2$$

$$\text{BOTH SIDES OF PAPER} \Rightarrow 2 \times 91 \text{ in}^2 = \boxed{182 \text{ in}^2}$$

2. (1 point) Compute  $53 \times 29$ .

$$\begin{array}{r} 53 \\ \times 29 \\ \hline 477 \\ 1060 \\ \hline 1537 \end{array}$$

$$\boxed{1537}$$

3. (1 point) What is the remainder when 463 is divided by 9?

$$9 \overline{) 463} \text{ r } 4$$

$$\boxed{51 \text{ r } 4}$$

4. (1 point) Use the distributive property to rewrite  $8 \cdot (5 + 11)$ .

$$8(5+11) = 8 \cdot 5 + 8 \cdot 11$$

$$= \boxed{40 + 88 = 128}$$

5. (1 point) Joe has \$234 with which to pay three credit card bills. If he pays each the same amount, how much will that be?

$$3 \overline{) 234} = 78$$

$$\boxed{\$ 78}$$