



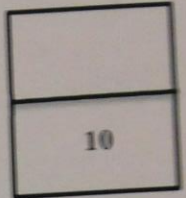
Mathematics 52

Quiz 1

Fall 2016

Professor: Mohammed Kaabar

Course ID: (27488)

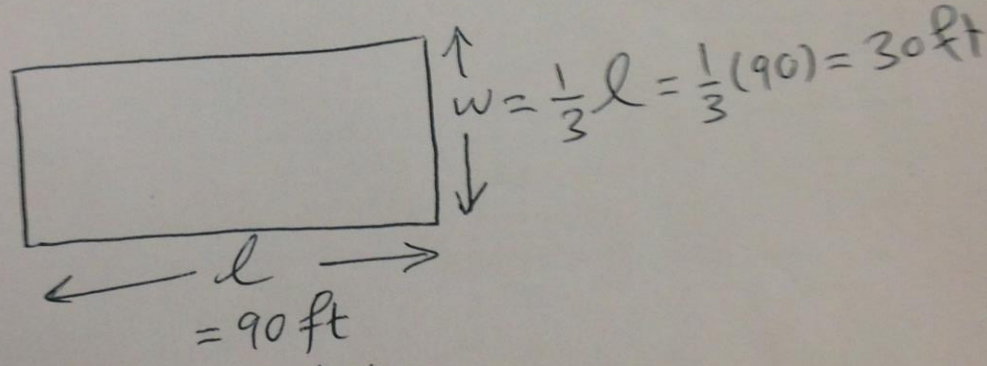


Student's Name: Mohammed Kaabar
Student's ID: Solution

Note: This quiz covers some problems from the introduction to basic algebra.

Problem 1 (5 points): Bryan rented a rectangular office space of length 90 ft and the width of the office space is one-third its length. Find the area of Bryan's office space.

Hint: The area of rectangle is length times width.



$$\begin{aligned} \text{Area} &= \text{length} \times \text{width} \\ &= l \times w \\ &= 90 \times 30 \\ &= \boxed{2,700 \text{ ft}^2} \end{aligned}$$

Problem 2 (5 points): Translate each of following English phrases to the math language
(algebraic expression)

Part a: Seven more than five multiplied by some number. *Assume that some number is x .*

then, $7 + 5x$ or $7 + (5x)$

Part b: Sixty-seven percent of some number, t .

$67\% \cdot t$

or $\frac{67}{100} t$

or $0.67 t$

Extra Credit (2 points): Give two different word examples of variables.

① The age of humans

② The age of cars (autos)

or any other reasonable answers.

