



Mathematics 52 Handout 1 Fall 2016

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

Problem 1: David rented a rectangular mobile house of length 45 ft and the width of the mobile house is two-third of its length. Find the area of David's mobile house.

$$Area = length \times Width$$

$$= 2 \times 45$$

$$= 90 = 30 \text{ ft}$$

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$$= 45 \times 30$$

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$$= 1350 \text{ ft}^{2}$$

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

Part a: Nine added to two divided by some number.

Assume that
$$x$$
 is some number, then $9 + \frac{2}{x}$ or $(9) + (\frac{2}{x})$

Part b: Three more than two multiplied by some number, x, added to nine divided by some number, y.

$$3 + 2x + \frac{9}{9}$$

or $(3) + (2x) + (\frac{9}{9})$

Part c: Twenty-three percent of some number, φ increased by nine of some number, β

23%.
$$9+9\beta$$

Or 0.23 $9+9\beta$

Or $\frac{23}{100}$ $9+9\beta$

Part d: Seventy subtracted from some number, μ added to five-times some number.

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Math is Amazing!!! Practice + Study = Success Good Luck Mohammed Kaabar

