Math 099 - Assignment 1

Name _____

August 20, 2018

Score _____

Show all work to receive full credit. Supply explanations when necessary. This assignment is worth 5 points.

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1. Evaluate each expression. You may use a calculator, but think about, and discuss, the order of the operations.

   (a) $3 + 2 \cdot (-5)$

   (b) $2.5 \times 8 + 7 \times 2$

   (c) $(2 - 2) - 2 - 2 - [2 \times (2 - 2)]$

   (d) $9 \div 3^2 \cdot (-6)$

   (e) $\dfrac{|2 - 8|}{3 - 9}$

   (f) $3.25 \times 7 - 5.2 \times 8.1$

2. Refer back to each problem above, and state whether your answer is a natural number, whole number, integer, rational number, or real number.

   (a)

   (b)

   (c)

   (d)

   (e)

   (f)

3. Let $x = 2.45$. Evaluate $3x^2 - 2x + 5$.