

Quiz 1

Total Points possible: 15

Math 12: Spring 2025

Name: \_\_\_\_\_

*dirty dan*

**Instructions: PLEASE DRAW A PICTURE A BEE WITH ITS STINGERS UP FOR A SURPRISE.**  
Please answer the questions below. **Show all your work in order to receive credit.**

**Problem 1.** Evaluate the following. Note  $5 \cdot x = 5x$ .

(a)  $10020 \cdot 0 = 0$

(f)  $\frac{0}{283973} = 0$

(b)  $0u = 0$

(g)  $\frac{283973}{283973} = 1$

(c)  $5x + 2x = 7x$

(h)  $\frac{33445}{0} = \text{does not exist}$

(d)  $-1x - 6x = -7x$

(i)  $\frac{2}{-10} = \frac{\cancel{2}}{-\cancel{2} \cdot 5} = \frac{1}{-5} = -\frac{1}{5}$

$\begin{array}{r} 10 \\ \cancel{10} \\ 2 \end{array}$

(e)  $-3x - 4x = -7x$

(j)  $-\frac{10}{2} = -\frac{\cancel{10}}{\cancel{2}} = -5$

$\begin{array}{r} 10 \\ \cancel{10} \\ 2 \end{array}$

**Problem 2.** Evaluate the following.

(a)  $\frac{21}{4} \cdot 4 = 21$

(c)  $\frac{-5}{5} + 1 = -1 + 1 = 0$

(b)  $-\frac{5}{6} \cdot \frac{-4}{7} = -\frac{-20}{42}$   
 $= \frac{20}{42}$

(d)  $8 - (3 + 9 - 2) - 2 = 8 - 3 - 9 + 2 - 2$   
 $= 5 - 9 + 2 - 2$   
 $= -4$

**Problem 3.** How many standard hot dog buns, if laid end to end in a straight line, would it take to circle the Earth along the equator?

*I think*

*260 millionish ....*

