

1 Quiz 1 MAT 1275 Professor Chiu

Name: _____

- This quiz consists of **2** questions, each worth 5 points, for a total of **10** points.
- You have **10** minutes to complete the quiz.
- Show all work and justify your answers.
- Scientific calculators are allowed.
- Wishing you success.

1. Simplify:

$$-2 - (-4) + 8 + (-4) - (-7) =$$

$$\begin{aligned} &= -2 + 8 - (-7) - (-4) + (-4) \\ &\quad \text{~~~~~} = 0 \text{ (find 0)} \\ &= -2 + 8 + 7 \text{ (the opposite of "toward left")} \\ &= 6 + 7 = 13 \end{aligned}$$

2. Divide

$$\begin{array}{r} 11 \overline{) 3571} \\ \underline{- 33} \\ 27 \\ \underline{- 22} \\ 51 \\ \underline{- 44} \\ 7 \end{array}$$

$$3571 \div 11$$

from left digit "3" $\Rightarrow 3 < 11$

from left 2 digit "35" $\Rightarrow 35 > 11$

$$11 \times 1 = 11$$

$$11 \times 2 = 22 \leftarrow 27 \Rightarrow \text{second digit "2"}$$

$$11 \times 3 = 33 \leftarrow 35 \Rightarrow \text{first digit "3"}$$

$$11 \times 4 = 44$$

$$\leftarrow 51 \Rightarrow \text{third digit "4"}$$

$$11 \times 5 = 55$$

Ans: $3571 \div 11 = 324$ with remainder 7

