

## Quiz 2

1. Let  $A = \{1, 4, 7\}$ ,  $B = \{0, 1, 2\}$ , and  $C = \{1, 2, 3, 4, 5\}$ .  
Find  $(A \cup B) \cap C$ .

2. Simplify

$$1.2 \div (-0.48)$$

3. Simplify, and write in interval notation AND inequality notation

a)  $(-\infty, 3] \cup (1, 5]$

b)  $(-\infty, 3] \cap (1, 5]$

4. True or False?

a) The distance between 3 and  $-4$  is 7.

b)  $|x| = |-x|$  for all  $x$ .

c)  $|2 - \pi| = 2 + \pi$ .

d)  $\sqrt{36}$  is a rational number.