

KING FAHD UNIVERSITY OF PETROLUUM AND MINERALS

Math 001— Term 061

Quiz#1

Name: _____ ID#: _____ Sec#:22 & 29 Sr#: _____

Q1: Which of the following statements True and which is False,

1. Every positive integer number is either prime or composite. _____
2. $1.7 + \sqrt{3}$ is an irrational number. _____
3. $-6\frac{2}{5}$ is the multiplicative inverse of $\frac{5}{28}$. _____
4. If $y = x + 1$, and $z = (x + 1)^2$, then $z = y^2$. This statement is **TRUE** because of the transitive property of equality. _____
5. If $A = \{x \mid x \text{ is an odd composite number less than or equal } 29\}$, then
 $A = \{$

Q2: Given the inequality $x \geq 5$ and $2 < x \leq 6$

1. Graph the given inequality on a real line

2. Write the given inequality as an interval notation