

Name:

UNIT 1
STUDY GUIDE FOR QUIZ #1



1. Put a check all the names that apply for the number.

	Natural	Whole	Integer	Rational	Irrational
$\sqrt{5}$					
$\sqrt{4}$					
2					
-3					
5.4					
$\frac{7}{9}$					

2. True or False. If False, provide a counterexample.

a. Integers are closed under addition.

b. Integers are closed under division.

3. Simplify the expression.

a. $\frac{6 \times 5 \div 10}{4^2 - 13}$

b. $[2 + (5^2 - 2 \times 3) - 1]$

c. $6 \times 3^2 - 10 \div 2$

d. $9 \div 3 + 6 \times 10 - 2$

4. Solve for x.

a. $x - 3 = -10$

b. $\frac{x}{-2} = 22$

b. $-2 = 10 - 3x$

d. $\frac{x}{3} - 2 = 8$