Coordinate Algebra Review Worksheet for Unit 2 Quiz #1

Name	Class Period
You must know the following <u>Prop</u>	perties of Equality and Properties of Operations and write an
example of each according to th	e note handout:
Addition Property of Equality	
Subtraction Property of Equality	
Multiplication Property of Equality	
Division Property of Equality	
Substitution Property of Equality	
Reflexive Property of Equality	
Symmetric Property of Equality	
Transitive Property of Equality	
Commutative Property of Addition	า
Commutative Property of Multiplic	
Associative Property of Addition	
Associative Property of Multiplica	tion
Distributive Property	
Identity Property of Addition	
Identity Property of Multiplication	
Property of Zero	
Additive and Multiplicative Invers	es
 Solve and state the reasons 	s for the steps
0(, () 5 5	
2(x + 4) - 5 = 5	Given

2. Solve for x:

a)
$$\frac{2}{3}x - 7 = -1$$

b)
$$-3x+2>8$$

- 3. Claire needs \$3.35 to by a Frappuccino. The only money she has is nickels and quarters. Write an equation for the different amounts of nickels, n, and quarters, q, she could use to buy the drink.
- 4. If she has 12 quarters, how many nickels does she need to buy the drink?
- 5. Coach Barton holds hitting lessons for \$40 a session for a 30 minute session. Write an equations for the amount of money he makes, C, for ,s, sessions.
 - A. How much money will he make in 5 hours?
 - B. How many hours will he have to coach to make \$400?
- 6. Solve for x.

a)
$$3^x + 1 = 28$$

b)
$$5^{2x} = 25^{x+2}$$

c)
$$2(4^x) - 3 = 29$$

d)
$$5(10^{3x-1}) = 500000$$