MasterMath

Solving Systems of Equations

Name _____

Date _____

1.

Equation 1	Equation 2	Find an ordered pair that solves this pair of equations
x + y = 12	y = x + 2	(5, 7)
2x + 3 = y	y = x + 2	(-1, 1)
5x = 2y + 4	y = x + 4	(4, 8)
x - y = 8	x + y = 16	(12, 4)
3y -2x = 5	2x + y = 7	(2, 3)
3y + 50 = x	x - y = 10	(-10, -20)
x - 2y = 16	x + y = 4	(8, -4)
2x + y = 8	y = x + 2	(2, 4)
x - 3y = 5	y = x +2	(-5 1/2, -3 1/2)
x + y - 6 = 12	x = y - 1	(8 1/2, 9 1/2)
4x - 6 = y	y - x = 12	(6, 18)
2x + 5y = 20	y = x + 3	(5/7, 3 5/7)
x + y - 4 = 8	y = x + 2	(5, 7)

2. **Margie's Kennel has 21 animals; some are cats and the rest are dogs. She has 3 more dogs than cats. How many cats does she have?**

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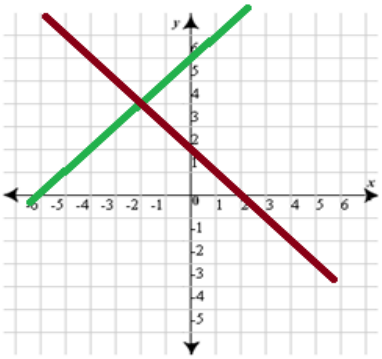
3. **You have 8 coins, and all are either nickles or pennies. You have a total of 16 cents. How many of each coin do you have?**

2 nickles, 6 pennies

4. **Graph these two equations to solve for x: y = x + 6; y = -x + 2**



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