

Name: _____

Date: _____

**7.04 Algebra HOMEWORK
REVIEW**

SHOW ALL WORK!!!

1. If $-a + 3b = 13$ and $a + b = 5$, the value of b is

(1) 1

(2) 7

(3) 4.5

(4) 4

2. Solve the system of equations using elimination:

$$-2c + 6d = 6$$

$$-7c + 8d = -5$$

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3. Solve the system of equations using substitution: $x = 2y + 11$
 $-7x - 2y = -13$

4. Solve the system of equations using substitution:
 $y - 5x = -7$
 $-3x - 2y = -12$

(Hint: Solve for x in the first equation!)

5. Determine the *best* algebraic method to solve each of the following systems of equations. Explain your answer. You do *NOT* need to solve the system!

a. $y = 2x - 1$
 $y = 3x + 5$

b. $2x + 3y = 9$
 $5x - 3y = 12$