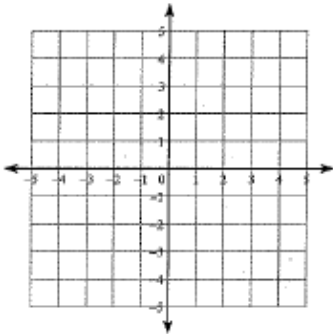


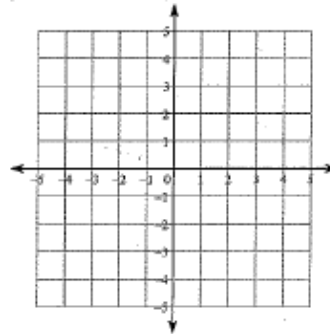
Systems of Two Equations

Solve each system by graphing.

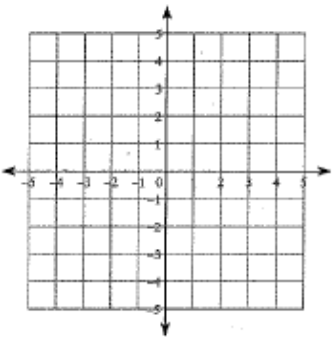
1) $y = -3x + 4$
 $y = 3x - 2$



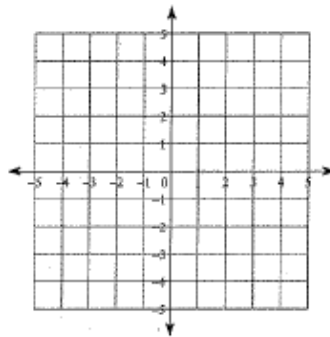
2) $y = x + 2$
 $x = -3$



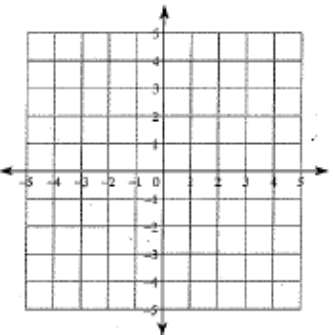
3) $x - y = 3$
 $7x - y = -3$



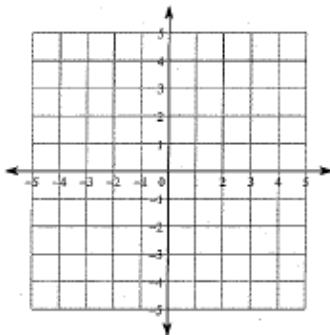
4) $4x + y = 2$
 $x - y = 3$



5) $8x + y = -4$
 $0 = -4 - y - 8x$



6) $2y + x + 4 = 0$
 $-x = -8 - 2y$



Systems of Two Equations ' Date

Solve each system by graphing.

Solve each system by substitution.

7) $y = 4x - 9$
 $y = x - 3$

8) $4x + 2y = 10$
 $x - y = 13$

9) $y = -5$
 $5x + 4y = -20$

10) $x + 7y = 0$
 $2x - 8y = 22$

11) $6x + 8y = -22$
 $y = -5$

12) $7x + 2y = -6$
 $-14x - 4y = -2$

13) $2x + 2y = -6$
 $5x - 5y = -15$

14) $-x + 2y = -7$
 $-2x - 6y = -14$

Solve each system by elimination.

15) $-x - y = 8$
 $x - 3y = 8$

16) $-2x - 2y = 6$
 $10x + 10y = -30$

17) $4x + 5y = -9$
 $8x - y = -7$

18) $-2x + 3y = 15$
 $-6x + 6y = 18$

19) $2x + 18y = 22$
 $-x - 9y = -11$

20) $36 + 7x - 8y = 0$
 $-10y = -12 - 6x$

21) $-x + \frac{2}{5} = -\frac{3}{5}y$
 $3y = -\frac{18}{11}x + \frac{51}{11}$

22) $-17 - 5y - 11x = 0$
 $-15 = 9x + 4y$

Critical thinking questions:

- 23) Write a system of equations with the solution $(4, -3)$.

Solve each system by elimination.

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$$\begin{array}{r} 18x + 5y = 13 \\ 3x - 5y = 11 \end{array}$$

$$y = 11x + 11$$

Critical thinking questions:

23) Write a system of equations with the solution (4,