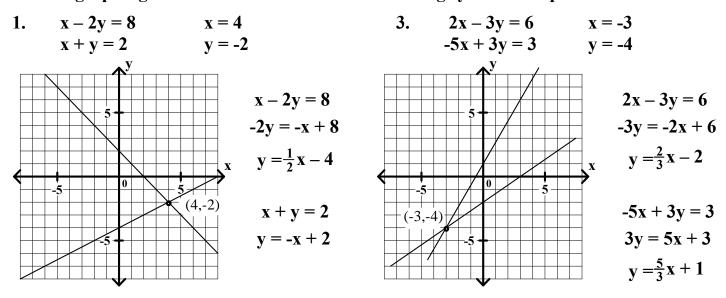
**Precalculus Worksheet #1 Chapter 9 Selected Homework Solutions** Use the graphing method to solve each of the following systems of equation.



Solve each of the following systems of equations using the substitution method. Show your work neatly organized.

2x + 3y = 195.  $\mathbf{x} = \mathbf{2}$ 8. x = -2y + 1x = 13/114x - 3y = 5 y = -1/11y = 4x - 3v = 54(-2y+1) - 3y = 5x = -2y + 12x + 3(4x - 3) = 19v = 4x - 3-8y + 4 - 3y = 5 $\mathbf{x} = \frac{2}{11} + \frac{11}{11}$ 2x + 12x - 9 = 19y = 8 - 3-11v + 4 = 514x - 9 = 19y = 5 $x = \frac{13}{11}$ -11y = 114x = 28 $y = \frac{-1}{11}$  $\mathbf{x} = \mathbf{2}$ 

Solve each of the following systems of equations using the multiplication-addition method. Show your work neatly organized.

9. $4x + 3y = 7$	x = -2	11. $5x - 3y = 5$	x = 17/11
$2\mathbf{x} - \mathbf{y} = -9$	y = 5	3x - 4y = 1	y = 10/11
4 + 2 - 7		15x - 9y = 15	20x - 12y = 20
$4\mathbf{x} + 3\mathbf{y} = 7$	$4\mathbf{x} + 3\mathbf{y} = 7$	-15x + 20y = -5	-9x + 12y = -3
$-4\mathbf{x} + 2\mathbf{y} = 18$	$6\mathbf{x} - 3\mathbf{y} = -27$	11y = 10	11x = 17
5y = 25	10x = -20	l i i	
$\mathbf{y} = 5$	x = -2	$\mathbf{y} = \frac{10}{11}$	$\mathbf{x} = \frac{17}{11}$