

**Quiz 160** .....

Solve.

1.  $y = -2x - 9$   
 $4x + 5y = 3$

2.  $2x + 3y = 8$   
 $5x - 3y = -1$

3.  $3x + 2y = 7$   
 $5x + 4y = 15$

4. Flying with the wind, an airplane can fly 1,680 miles in 6 hours. Flying against the wind, the plane can fly the same distance in 7 hours. Find the speed of the plane in still air and the speed of the wind.

Graph the solution set.

5.  $x \geq 0$  and  $x + 3y < 3$

			4				
			3				
			2				
			1				
<i>x</i>			0	1	2	3	4
	-3	-2	-1				
			-1				
			-2				
			-3				
			<i>y</i>				