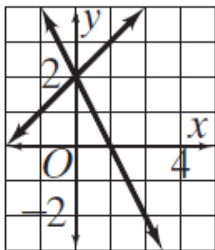


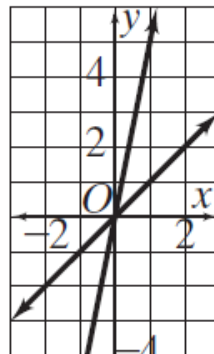
Homework Answers - p. 377

1. Yes, $(-1, 5)$ makes both equations true.
2. No, $(-1, 5)$ makes only one equation true.
3. Yes, $(-1, 5)$ makes both equations true.
4. Yes, $(-1, 5)$ makes both equations true.

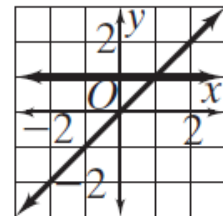
5. $(0, 2)$;



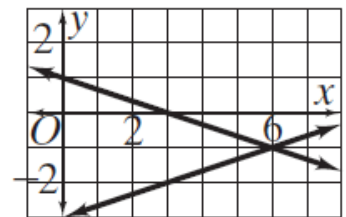
6. $(0, 0)$;



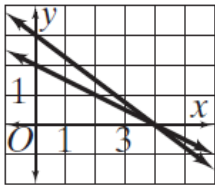
7. $(1, 1)$;



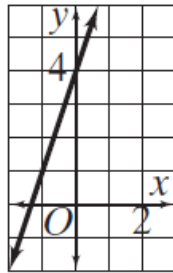
9. $(6, -1)$;



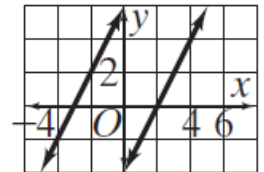
11. $(4, 0)$;



17. infinitely many solutions;



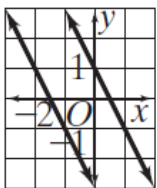
18. no solution;



13. a. 3 weeks b. \$35

14. 7 weeks

15. no solution;



19. no solution; same slope, different y-int.

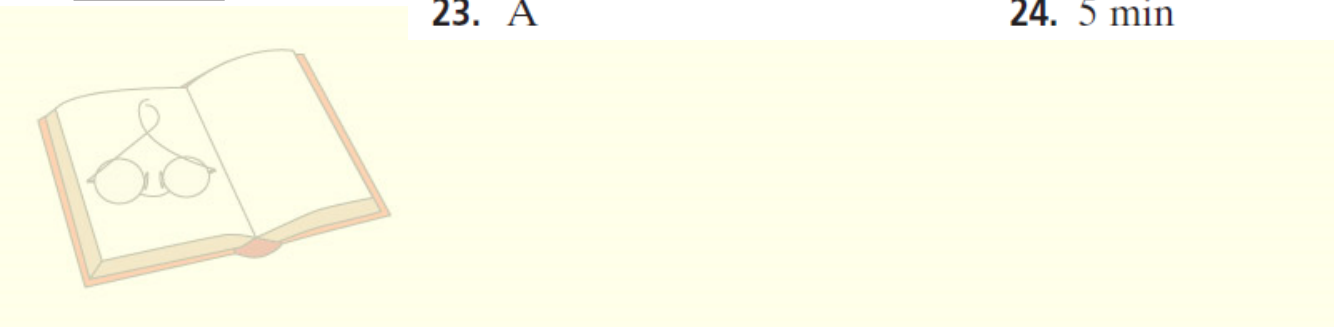
20. inf. many solutions; equivalent equations

21. one solution; different slopes

22. inf. many solutions; equivalent equations

23. A

24. 5 min



Can I use my calculator to graph and solve a system?



Section 7.2

Solving Systems Using Substitution



Another method for solving a system . . . substitution method.

When one or both equations are already solved for a variable . . .

$$\begin{array}{l} 5. \ y = 4x - 8 \\ \quad y = 2x + 10 \end{array}$$



$$\begin{aligned} 14. \quad m &= 4n + 11 \\ -6n + 8m &= 36 \end{aligned}$$



When neither equation is solved for a variable . . .

$$39. \quad 3x + 5y = 2$$

$$x + 4y = -4$$



Homework:

p. 384 (5 - 16, 25, 34 - 39)

