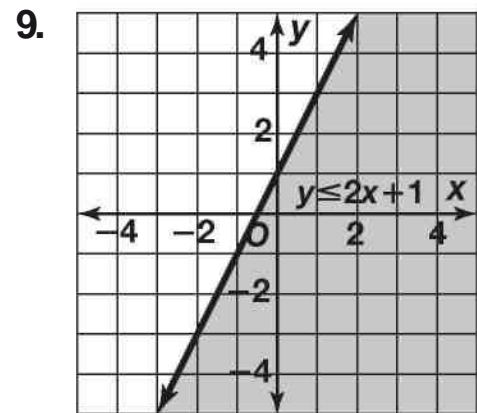
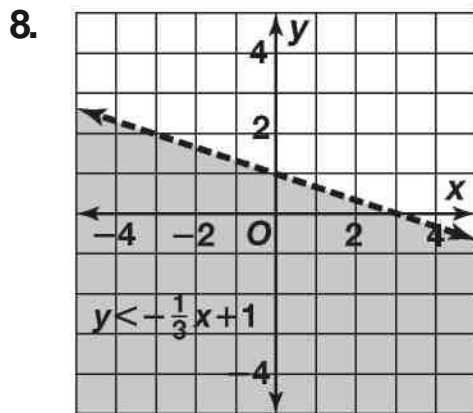
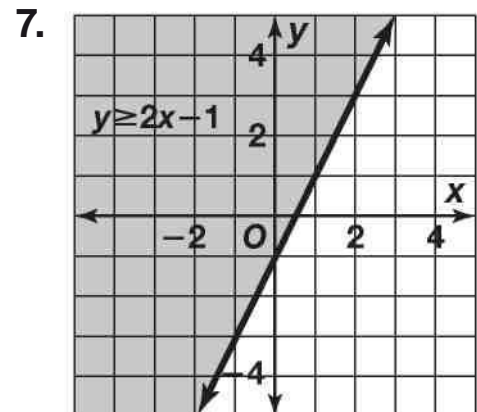
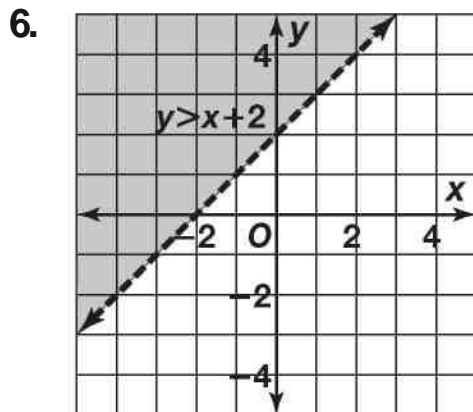
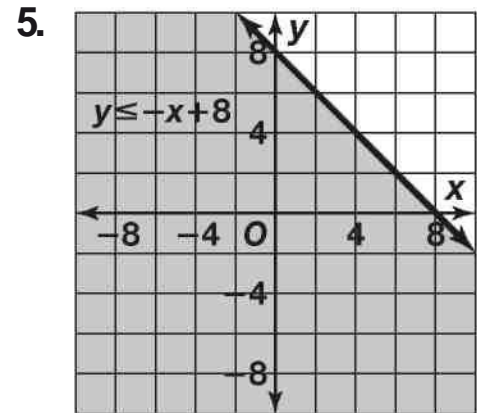
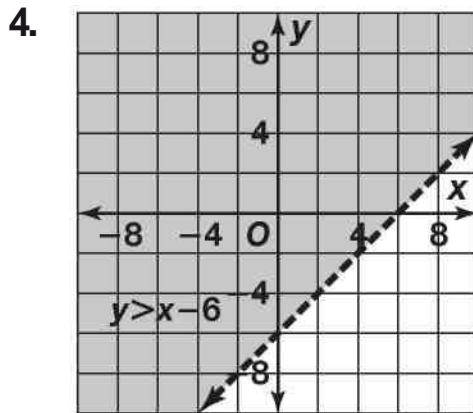
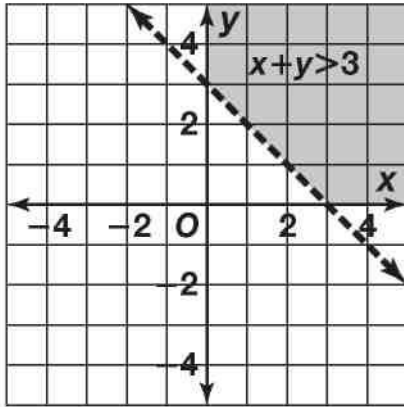


1. dashed
2. solid
3. solid

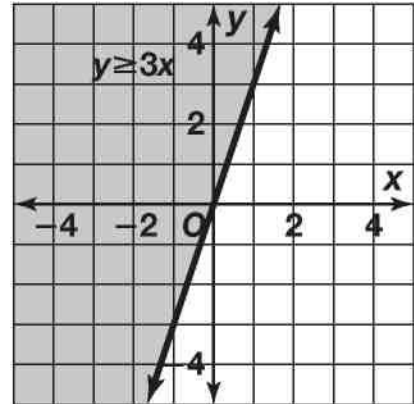


10. $y < -4x - 3$
11. $y \geq -2x$
12. $y \leq -\frac{2}{3}x + \frac{7}{3}$

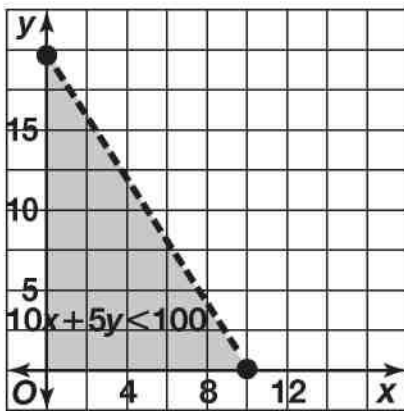
13. $x + y > 3$



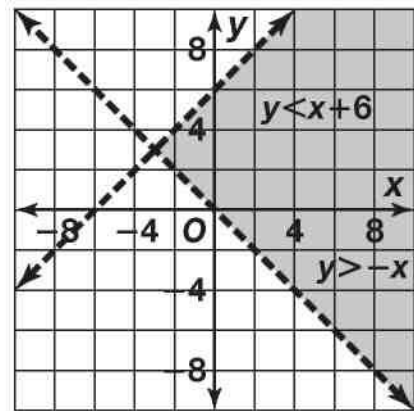
14. $y \geq 3x$



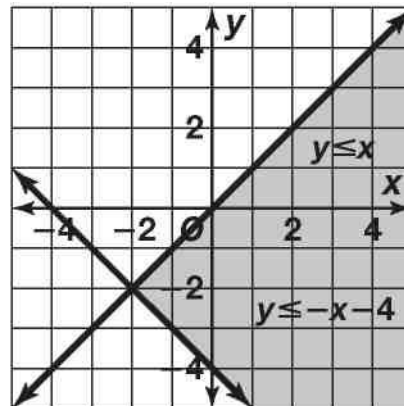
15. $10x + 5y < 100$



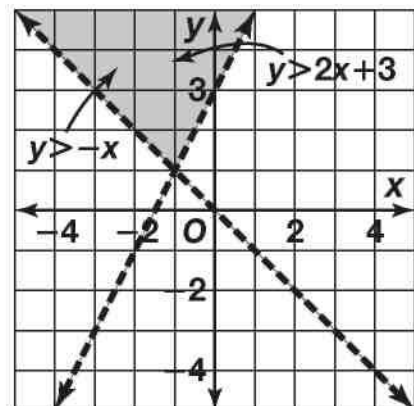
16.

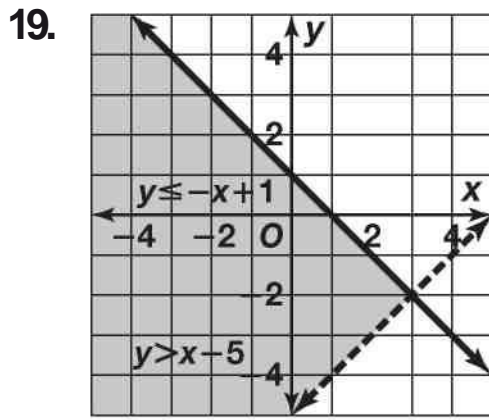


17.



18.

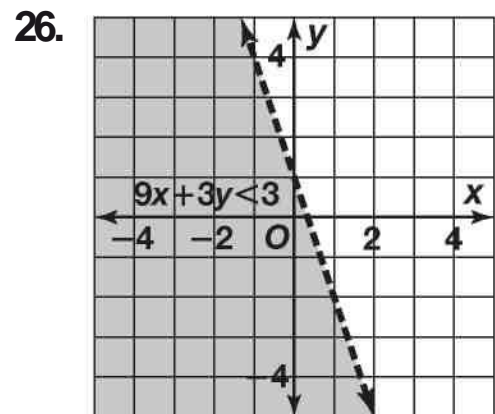
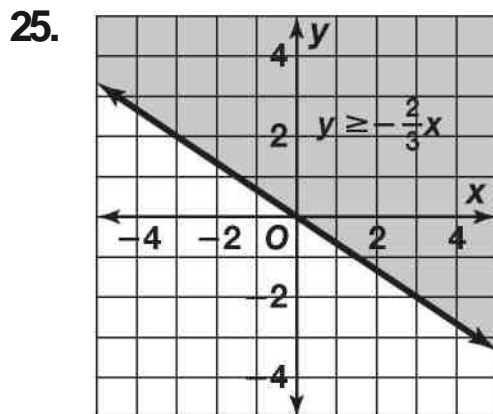
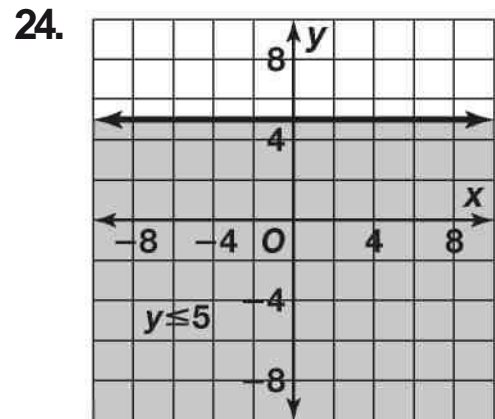
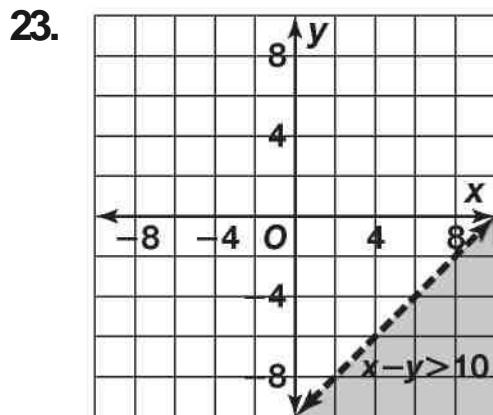


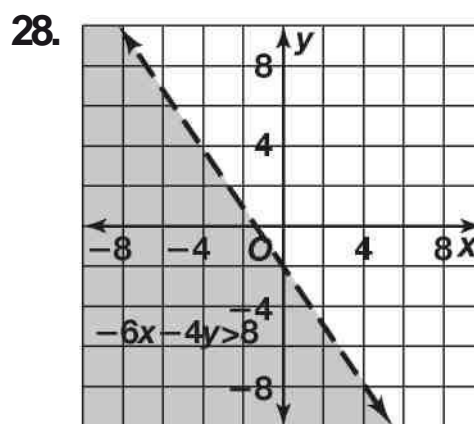
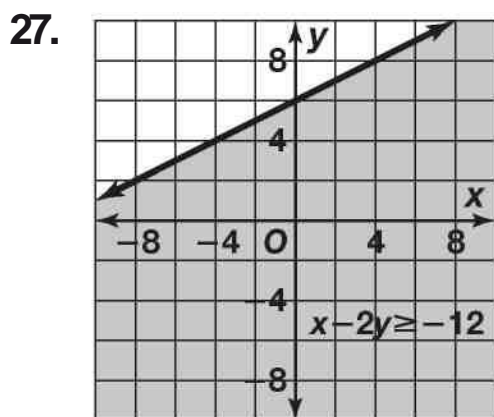


20. C

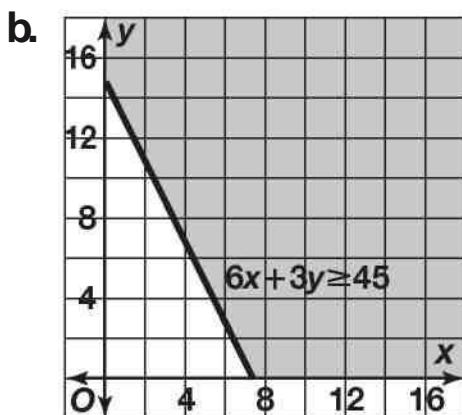
21. G

22. Multiply both sides of $-y < x$ by -1 to get $y > -x$. The graph of $y < -x$ is the set of points below the graph of $y = -x$. The graph of $y > -x$ is the set of points above the graph of $y = -x$.





29. a. $6x + 3y \geq 45$



c. $4\frac{1}{2}h$

30. $y = -x - 3$; dashed

31. $y = x - 7$; solid

32. $y = -4x$; dashed

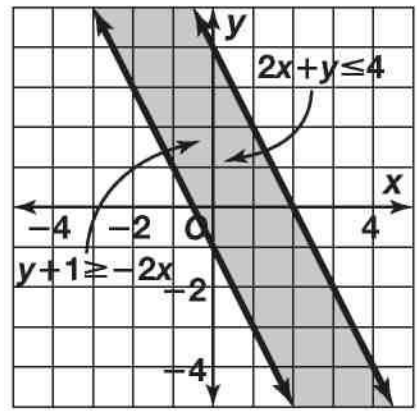
33. $y = \frac{1}{2}x$; solid

34. $y = -\frac{5}{3}x + 3$; solid

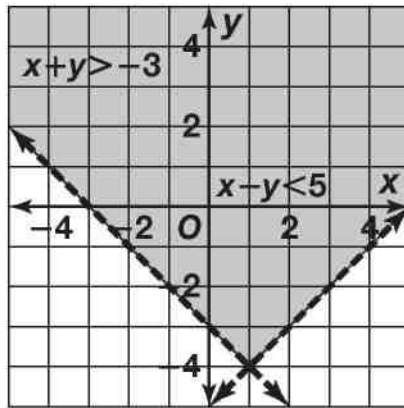
35. $y = 2x - 5$; dashed

36. D

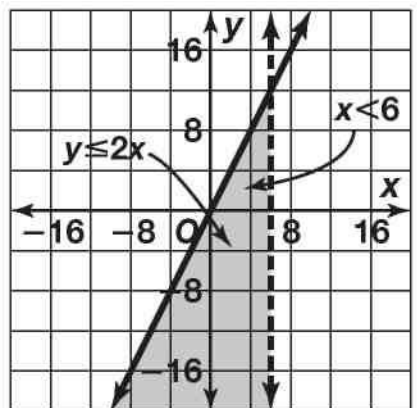
37.



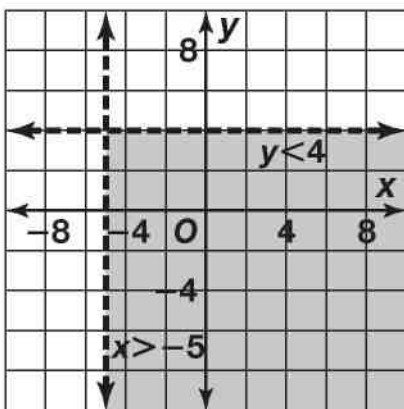
38.



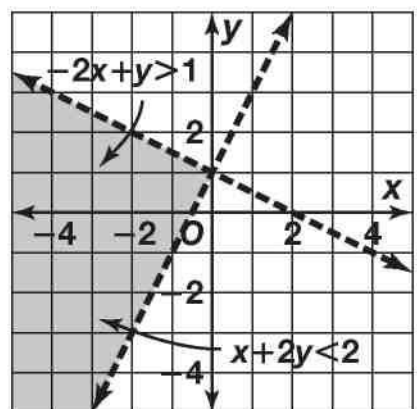
39.



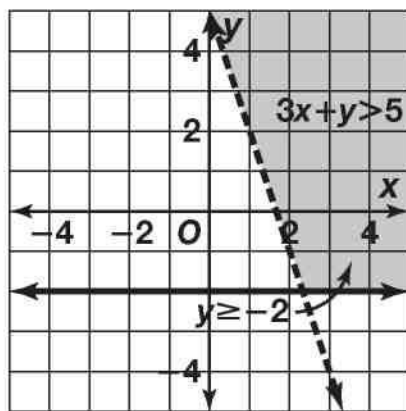
40.



41.



42.



43. Answers may vary. Sample: When you graph inequalities, you show a set of solutions. When you graph on a number line, you show single-number solutions

for one variable. When you graph on a coordinate plane, you show ordered-pair solutions for two variables.

44. Answers may vary. Sample: $y > x + 5$, $y < x + 3$

45. Answers may vary. Sample: Not possible; some real numbers will be on the “other” side of the boundary lines.

46. Answers may vary. Sample: $y \geq 0$, $y \leq 0$

47. $y > -6$; $x < 2$

48. $y \leq x - 1$; $y > -2x - 4$