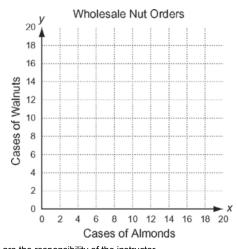
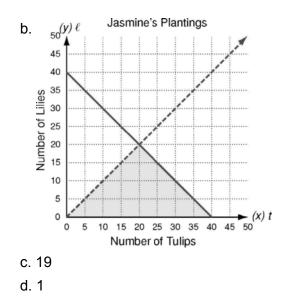


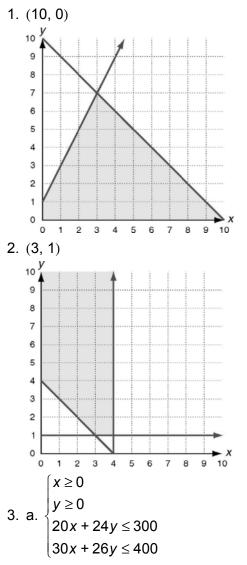
## Solve.

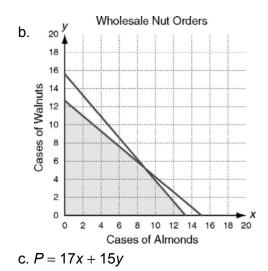
- 3. A grocer buys cases of almonds and walnuts. Almonds are packaged 20 bags per case. The grocer pays \$30 per case of almonds and makes a profit of \$17 per case. Walnuts are packaged 24 bags per case. The grocer pays \$26 per case of walnuts and makes a profit of \$15 per case. He orders no more than 300 bags of almonds and walnuts together at a maximum cost of \$400.
  - a. Write the constraints. Use x for the number of cases of almonds ordered and y for the number of cases of walnuts ordered.
  - b. Graph the constraints.
  - c. Write the objective function for the profit.
  - d. How many cases of almonds and walnuts maximize the grocer's profit?





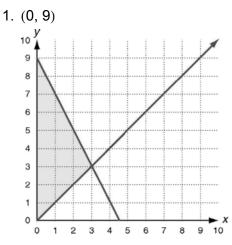




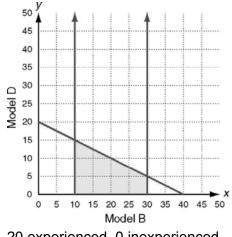


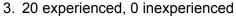
d. 9 cases of almonds, 5 cases of walnuts

## Practice C



2. 30 of Model B and 5 of Model D





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