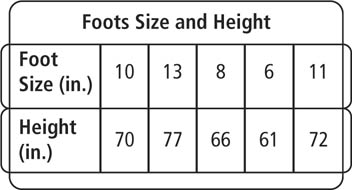
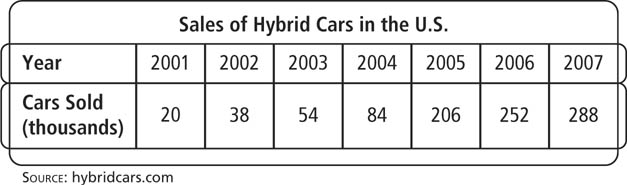
**Chapter 5 Practice Test (Sections 6, 7, 8)**

1. Determine whether the lines are parallel, perpendicular, or neither.
   1. b.

1. Write an equation in slope-intercept form of the line that passes through the given point and is parallel to the graph of the given equation. *(2 points each)*
2. Write an equation in slope-intercept form of the line that passes through the given point and is perpendicular to the graph of the given equation. *(2 points each)*
3. Use the data in the table to the right.
   1. Make a scatterplot of the data. *(1 point)*
   2. Write an equation of a reasonable trend line. Show your work. *(3 points)*
   3. Describe the type of correlation the scatter plot shows. Then, tell whether the correlation reflects a causal relationship. Explain your reasoning. *(2 points)*
   4. Estimate the height of a person whose foot size is 7 inches. Did you use interpolation or extrapolation? Explain. *(2 points)*
   5. Predict the height of a person whose foot size is 14 inches. Did you use interpolation or extrapolation? Explain. *(2 points)*
4. Use a graphing calculator to create a scatter plot and find an equation of the line of best fit. *(2 points)*
5. Graph each absolute value function by translating .





