Answers to Chapter 11 Review Basic

1. How do you specify the size of a fillet?
   **Answer:** With a radius dimension

2. Explain how to set the radius of a fillet to .50.
   **Answer:** Enter the FILLET tool, enter the Radius option, and enter .50.

3. Describe the difference between the Trim and No trim options of the CHAMFER and FILLET commands.
   **Answer:** With the Trim mode active, the selected lines are trimmed away from the chamfered or filleted corner. With the No trim option active, the selected lines are not trimmed, and the chamfer or fillet line is only added.

4. Which option of the CHAMFER command would you use to specify a .125 × .125 chamfer?
   **Answer:** Distance

5. What is the purpose of the Method option of the CHAMFER command?
   **Answer:** It is used to set the Distance or Angle chamfering option current.

6. Which command allows you to create an irregular curve to fill a break between nonintersecting objects when the curve data is unknown?
   **Answer:** BLEND

7. How can you split an object in two without removing a portion?
   **Answer:** Use the BREAK tool and specify the same point for both the first and second break points. This can be accomplished by entering @ when prompted for the second break point.

8. In what direction should you pick points to break a portion out of a circle or arc?
   **Answer:** Counterclockwise

9. What command can you use to combine two collinear lines into a single line object?
   **Answer:** JOIN

10. What two requirements must be met before you can join two arcs?
    **Answer:** The arcs must share the same center point and radius.

11. Name the command that trims an object to a cutting edge.
    **Answer:** TRIM
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12. Which command performs the opposite function of the EXTEND command?
   Answer: TRIM

13. Name the command associated with boundary edges.
   Answer: EXTEND

14. Name the TRIM and EXTEND command option that allows you to trim or extend to an implied intersection.
   Answer: The Extend function of the Edge option.

15. List two locations drafters normally choose as the base point when using the STRETCH command.
    Answer: (Any two) A point on an object, the corner of a view, or the center of a circle.

16. Define the term displacement as it relates to the STRETCH command.
    Answer: The movement from the original position to the new position.

17. Identify the LENGTHEN command option that corresponds to each of the following descriptions:
    Answer: A. Allows a positive or negative change in length from the endpoint: DElta B. Changes a length or an arc angle by a percentage of the total: Percent C. Sets the total length or angle to the value specified: Total D. Drags the endpoint of the object to the desired length or angle: Dynamic

18. Write the command aliases for the following commands:

19. What command would you use to reduce the size of an entire drawing by one-half?
    Answer: SCALE

20. Which command removes all width characteristics and tangency information from a polyline?
    Answer: EXPLODE