Topographic Map Assessment
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Please complete this 18-item assessment. The assessment is not timed. Try to answer each item to the best of your ability.
1. The contour interval for this map is 100 ft. Imagine you had to walk to get from point A to point B, and wanted to do so as easily as possible. Sketch the route you would build, and explain why you chose that particular path.

(1 point) Answer: Explanation should match the route drawn.
2. Imagine there is a stream that connects the circle and the square. In which direction would the water flow? Why? Please draw the path the stream would take.

(1 point) Answer: Circle to Square
3. The contour interval on this map is 20 feet. One person is standing at each point on the map. Please answer (Y/N) the following questions about whether the people standing at two points can see each other. Assume they are able to use binoculars. Also assume there is no vegetation.

- A and B. (1 point) Answer: Yes
- A and D. (1 point) Answer: Yes
- B and C. (1 point) Answer: Yes
- C and D. (1 point) Answer: Yes
- B and D. (1 point) Answer: Yes
4. The contour interval for this map is 40 feet. What is the elevation at point A?

(1 point) Answer: 7040-7080 feet
5. Imagine Josh traveled on foot from point A to point B, and Amy traveled on foot from point C to point D.

Who walked up a steeper slope?

(1 point) Answer: Josh

Why did you choose the answer you did?

Explanation is not worth any points.
6. What is the contour interval on this map? That is, how much does elevation change moving from one line to another?

(1 point) Answer: 40 feet
7. Which hill is higher: A or B?

(1 point) Answer: B
8. Which of the following views best represents what someone would see standing at the start of the arrow and facing in that direction?
9. Imagine Josh traveled on foot from point A to point B, and Amy traveled on foot from point C to point D.

- Who walked up a steeper slope? How can you tell?
  (1 point) Answer: Josh

- Who traveled a greater vertical distance? How can you tell?
  (1 point) Answer: Same
10. Imagine there is a stream that connects the circle and the square. Please draw the path you believe the stream would follow. In addition, clearly mark the direction you believe the water would flow, and why.

(1 point) Directional answer: Square to Circle
(1 point) Path Answer: correct answer is drawn in the image
11. Imagine there is a stream that connects the circle and the square. Please draw the path you believe the stream would follow. In addition, clearly mark the direction you believe the water would flow, and why.
(1 point) Directional Answer: Circle to Square
(1 point) Path Answer: Correct answer drawn in the image.

Finally, do you think the water would flow faster near the circle, or near the square? Why?
(1 point) Answer: Circle
12. Imagine there is a stream that connects the circle and the square. Please draw the path you believe the stream would follow. In addition, clearly mark the direction you believe the water would flow, and why.

(1 point) Directional Answer: Circle to Square
(1 point) Path Answer: Correct answer drawn in image
13. Which elevation profile (below) matches the cross-section of the line AB (above)? (1 point)

Options:
- Option A
- Option B
- Option C
- Option D
14. Which elevation profile (below) matches the cross-section of the line AB (above)?

(1 point)
15. Imagine you see the view of the picture above. Circle the arrow on the map that indicates where and which direction you think you are facing.

(1 point)
16. Imagine you see the view of the picture above. Circle the arrow on the map that indicates where and which direction you think you are facing.

(1 point)
17. You are standing at the square, but you want to get to a place (on the map) where you would be able to see a small lake at the circle. Assume there is no vegetation. Please draw a line from the square to another place on the map that indicates the route you would take to a spot where you can see the circle. Explain below, why you chose the spot as well as the route to get there:

**Location Answer:** Correct location can be anywhere within the bounds of the red square or red arrows drawn in the diagram (1 point)

**Route Answer:** Participant needs to draw a relative low energy route (1 point)
18. Imagine you see the view of the picture at top. Circle the arrow on the map that indicates where and which direction you think you are facing. (1 point)