

Name: _____

Date: _____

Match graph shapes to stories: steep = fast, flat = paused, down = returning/losing. Last two are challenge problems!

- 1.** A distance-time graph is flat for 10 minutes. What happened?

show your work

- 2.** Which is faster: a steep segment or a shallow one?

show your work

- 3.** A graph rises, flattens, then rises again. Tell the story.

show your work

- 4.** A distance-from-home graph goes UP then DOWN. Story?

show your work

5. Sketch: walk 5 min, rest 5 min, walk 5 min. (3 segments)

show your work

6. Water fills a tub steadily, then someone gets in. Sketch the water level.

show your work

7. Temperature rises till noon, steady till 3, falls after. Sketch it.

show your work

8. Two runners: A steady the whole race; B fast start then walks. Who leads early? Sketch both.

show your work

- 9.** A graph of speed (not distance!) is flat at 30, then drops to 0 in seconds. Story? ★ CHALLENGE

show your work

- 10.** Tell a realistic story for: distance rises fast, flat 20 min, rises slowly, then falls to zero. ★ CHALLENGE

show your work