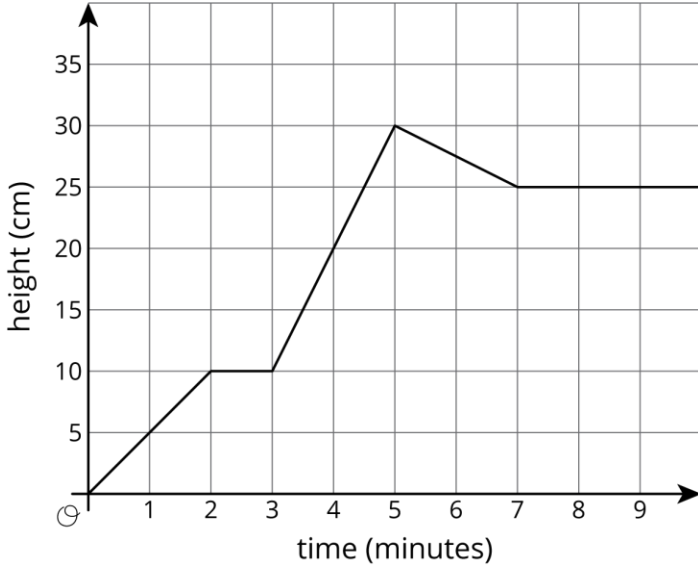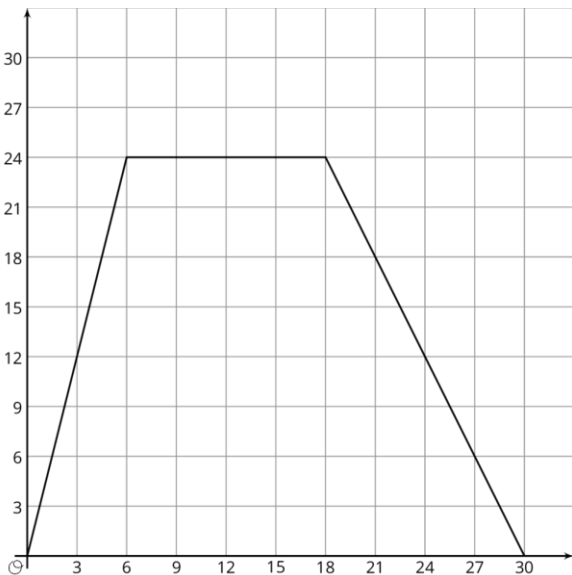# Graphing Stories Practice Problems

Name _____

1. Henry fills her aquarium with water.

   The graph shows the height of the water, in cm, in the aquarium as a function of time in minutes. Invent a story of how Henry fills the aquarium that fits the graph.

10.3: Dog Bath

Elena filled up the tub and gave her dog a bath. Then she let the water out of the tub.

6. The graph shows the amount of water in the tub, in gallons, as a function of time, in minutes. Add labels to the graph to show this.

7. When did she turn off the water faucet?

8. How much water was in the tub when she bathed her dog?

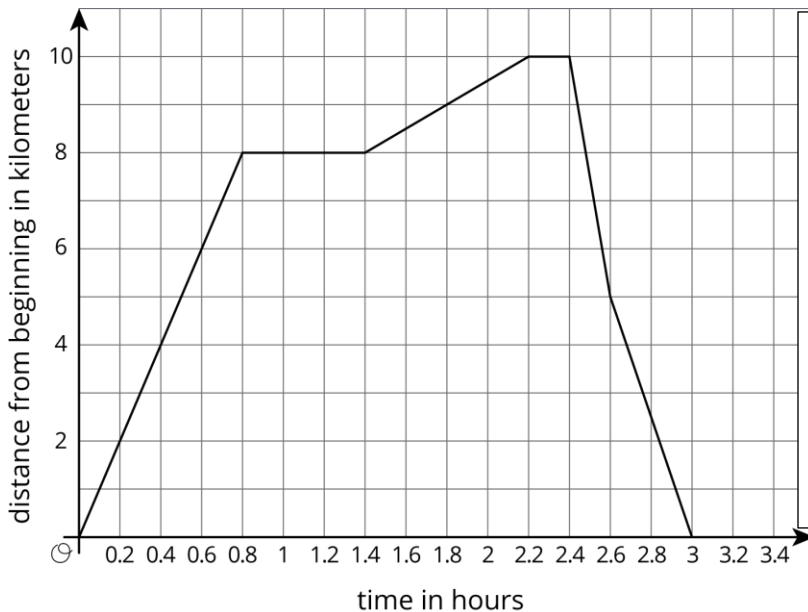9. How long did it take for the tub to drain completely?

11. At what rate did the faucet fill the tub?

12. At what rate did the water drain from the tub?

8. Draw a graph to match the story. Be sure to label each axis.

Elena starts to walk home from school, but has to turn around and go back because she left something in her locker. On her way back home (the second time), she runs into her friend who invites her to the library to do homework with her. She stays at the library and then heads home to do her chores.

9. This graph shows a trip on a bike trail. The trail has markers every 0.5 km showing the distance from the beginning of the trail.

a. When was the bike rider going the fastest?

b. When was the bike rider going the slowest?

c. During what times was the rider going away from the beginning of the trail?

d. During what times was the rider going back towards the beginning of the trail?

e. During what times did the rider stop?