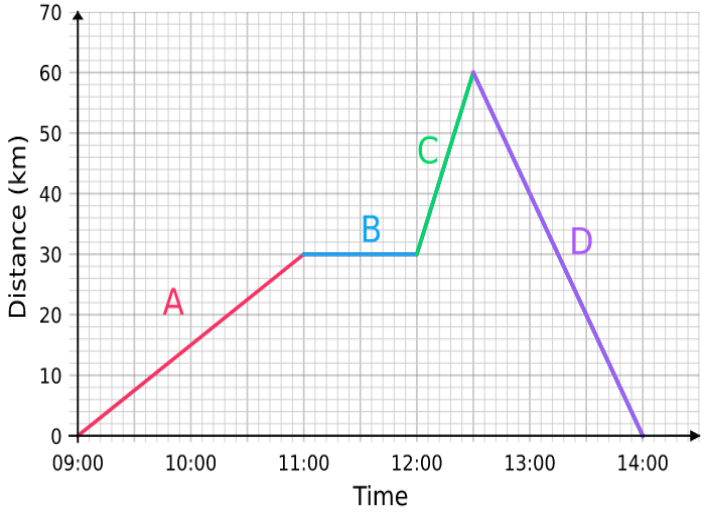
MOTION GRAPH TRENDS

Directions: The distance/time graph tells a story. Use the story & graph below to answer the questions.

"The graph Tracks Hayden's car from her house to Reagan's house (A). Reagan hops in Hayden's car. The girls decide to ride by Brianna's house to say "hey girl" (C). When they arrive at Brianna's house they find that she ain't home, so they head back to Hayden's house (D)."



READING THE SORY

1. How far away does Reagan live from Hayden?
2. How far away from Hayden does Briana live?
3. How far apart does Briana and Reagan live?
4. About how long is Hayden at Reagan's House?
5. About how long do the girls stop @ Brianna's house?
6. How long does it take for each of the following trips?
   a. *From Hayden's house to Reagan's house?*
   b. *From Reagan's house to Brianna's house?*
   c. *From Brianna's house back to Hayden's house?*
7. Do NOT perform any calculations and tell me which interval is the velocity the greatest. How do you know?
8. Which interval of travel has the lowest magnitude of Velocity? Why do you think that?

VELOCITY:

9. What was the average velocity of Hayden's trip from START to FINISH?
10. What is the velocity of Hayden's car during interval A?
11. What is the velocity of Hayden's car during interval B?
12. What is the velocity of Hayden's car during interval C?
13. What is the velocity of Hayden's car during interval D?

Graph Trends: Analyze graphs A through H below. Use a combination of up to three of the following terms to classify each motion graph: **Positive, Negative, Uniform, Increasing, Acceleration, Velocity**

A =

B =

C =

D =

E =

F =

G =

H =