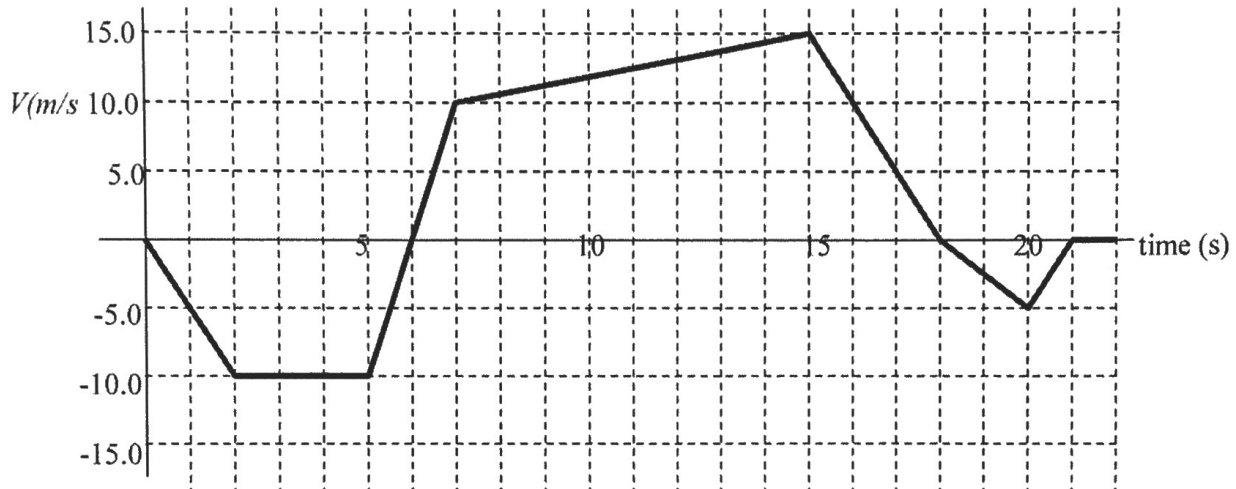


Name: _____ Date: _____

Motion Graphs & Kinematics Worksheet:

1. The graph below describes the motion of a fly that starts out going left.



- Identify section(s) where the fly moves with constant velocity.
 - Identify section(s) where the fly moves right slowing down.
 - Identify section(s) where the fly moves left speeding up.
 - When is the fly at rest?
 - What is the average velocity of the fly between 0 and 15 seconds?
 - What is the **distance** traveled by the fly in this time interval?
 - What is the average **speed** of the fly in the same time interval?
 - What is the average acceleration of the fly in this time interval?
-
- i. What is the total displacement of the fly from 0 to 22 seconds?

Name: _____ Date: _____

j. Identify the times when the fly changes direction.

k. Draw an acceleration vs. time graph for the fly.

