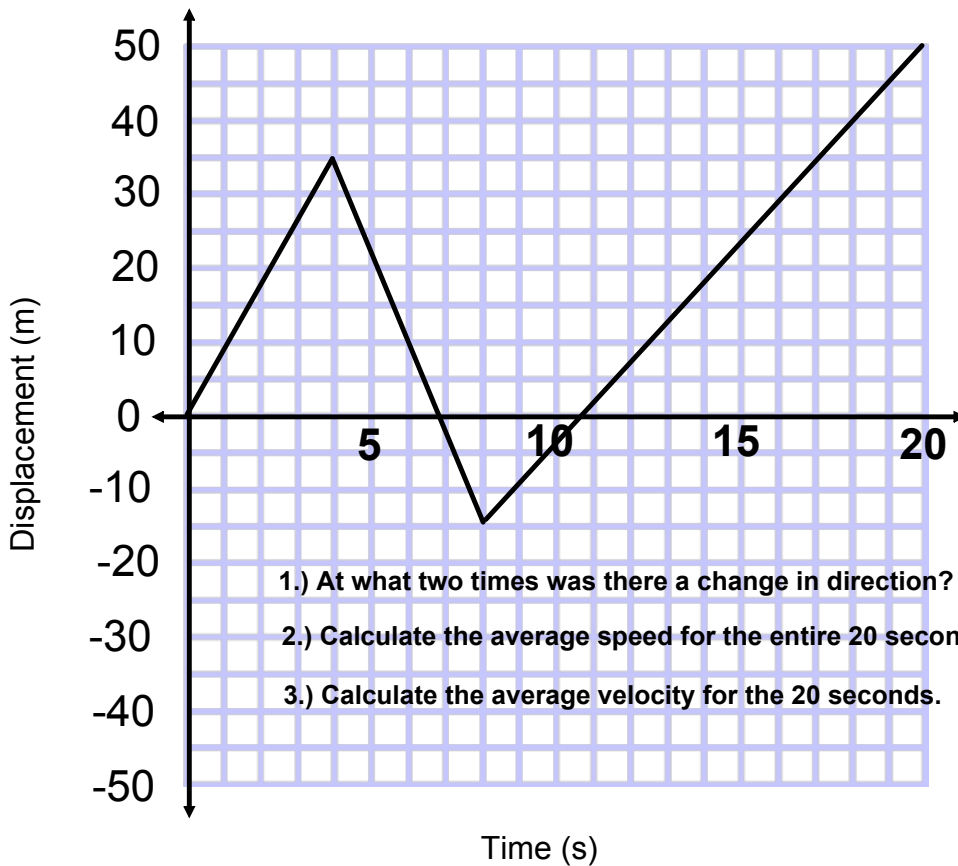
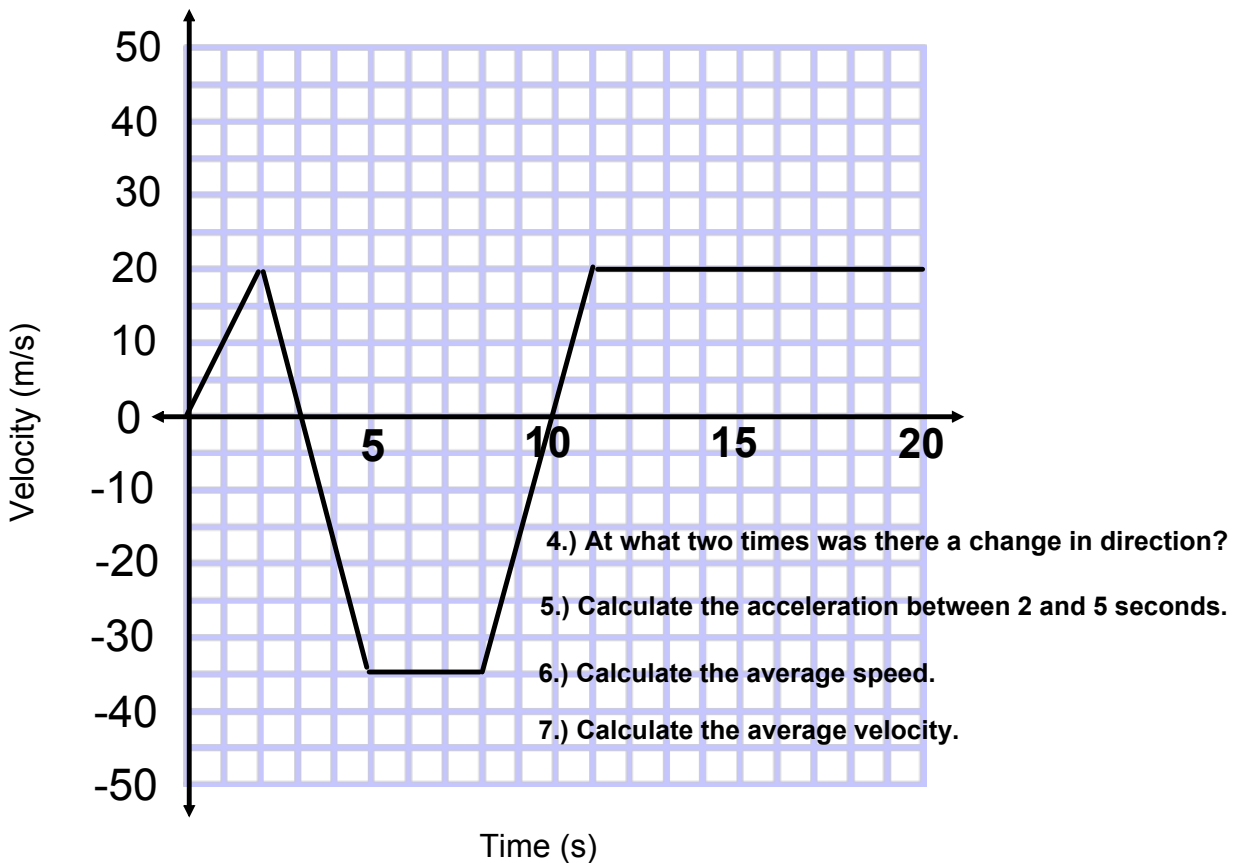


Use the following displacement - time graph to answer questions 1 - 3.



Use the following velocity - time graph for questions 4 - 7.



8.) A baseball is thrown 32 m [E], then 25 m [W], a further 10 m [W], and finally 15 m [E]. All of this happens in 38 seconds.

a) Calculate the average speed of the baseball.

b) Calculate the average velocity of the baseball.

9.) A glider is initially flying 51 m/s [E]. A gust of wind blows the glider to a new velocity of 25 m/s [W] in 47 seconds.

a) Calculate the acceleration provided by the wind.

b) Calculate the displacement of the glider in that time.

10.) Standing near the edge of a 175 m cliff an iPhone 3G is launched straight up with a velocity of 22.1 m/s.

a) Calculate the amount of time the iPhone is traveling upwards.

b) Calculate the velocity of the iPhone the instant it is 55 m above the ground.

c) Calculate how long after it is launched upwards it will be 100 m above the ground.