a) What is the speed of the object at 7 sec?

\[ \text{READ } \Rightarrow 8 \text{ m/s} \]

b) At what time does the object reach a maximum speed?

\[ \text{READ } \Rightarrow 4 \text{ sec} \]

c) What is the acceleration of the object at 8 sec?

\[ \text{SLOPE } \Rightarrow -4 \text{ m/s}^2 \]

d) How far does the object travel from 2-4 sec?

\[ \text{AREA } \Rightarrow +18 \text{ m} \]

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a) How fast is the object going at 17 sec?

\[ \text{SLOPE } \Rightarrow -10 \text{ m/s} \]

b) How far did the object travel from 10-15 sec?

\[ \text{READ } \Rightarrow 15 \text{ m} \]

c) What is the object doing from 5-10 sec?

\[ \text{STOPPED} \]

d) During what time interval is the object going the fastest?

\[ 15-20 \text{ s } \Rightarrow \text{STEEPEST} \]

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a) At what time(s) is the object 5 m away?

\[ \text{READ IT } \Rightarrow 6 \text{ & 9 sec} \]

b) During what time interval is the object traveling the fastest?

\[ 8-10 \text{ sec } \Rightarrow \text{STEEPEST} \]

c) During what time interval is the object not moving?

\[ 2-5 \text{ sec } \Rightarrow 10-14 \text{ sec } 7-8.5 \text{ sec} \]

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a) During what time interval is the object traveling at a constant velocity?

\[ \text{READ IT} / \text{PHYSICS IT } \Rightarrow 6-7 \text{ sec} \]

b) What is the acceleration of the object at 1 sec?

\[ \text{READ IT } \Rightarrow -2 \text{ m/s}^2 \]

c) What is the change in velocity of the object from 2-6 sec?

\[ \text{AREA IT } \Rightarrow 3.5 \text{ m/s} \]
a) Where is the object at 9 sec? 
54 m

b) What is the speed of the object at 3 sec? 
\[ \text{Slope} \to \frac{60-18}{425-2} = 18.7 \text{ m/s} \]

c) What is the speed of the object at 5 sec? 
\[ \text{Slope of tangent} \to \frac{78-42}{6 \cdot 2} = 9 \text{ m/s} \]

d) During what time interval does the object have a negative velocity? 
7-10 sec

e) What is the average velocity of the object from 0-9 sec? 
\[ \bar{v} = \frac{\Delta x}{\Delta t} = \frac{54}{9} = 6 \text{ m/s} \]

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