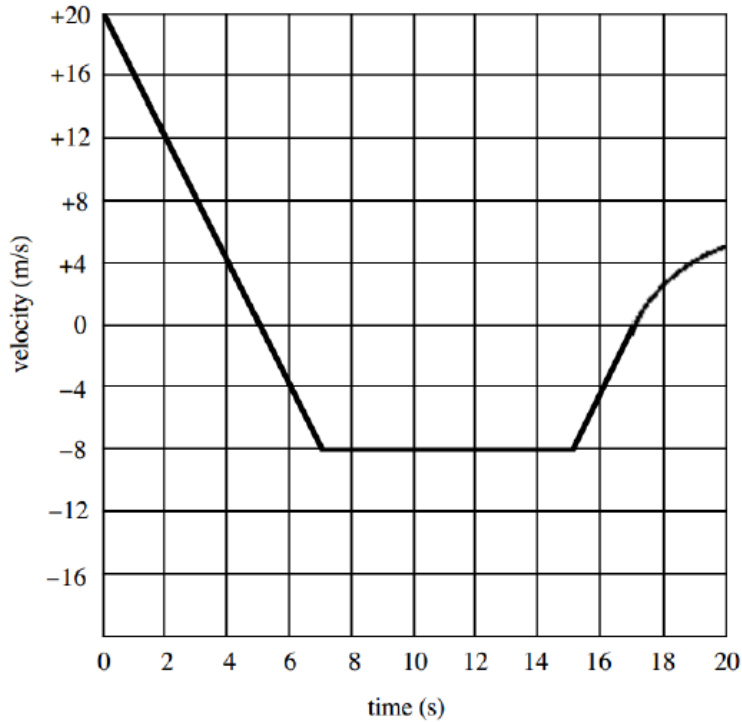


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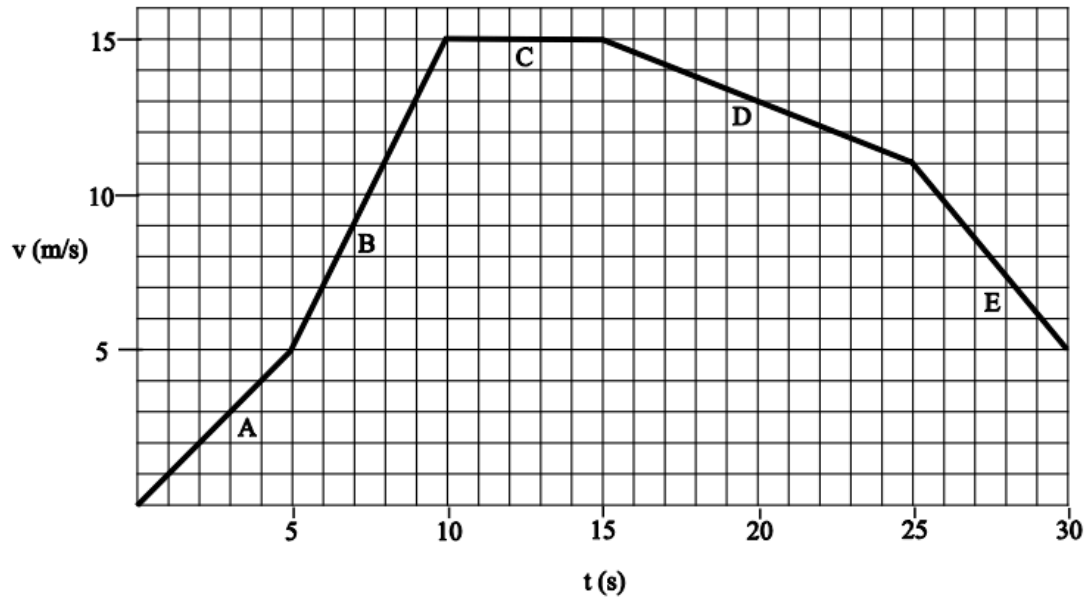
Honors Physics: Kinematics in One Dimension
Graphical Analysis - Interpretation HW

Use the **velocity vs. time** graph given below to answer the following questions.



- A. At what two times is the object at rest?
- B. At what times is the object not accelerating?
- C. What is the acceleration at $t = 4$ s?
- D. What is the acceleration at $t = 16$ s?
- E. How far does the object travel from $t = 2$ to $t = 4$ s?
- F. How far does the object travel from $t = 5$ to $t = 17$ s?

Use the **velocity vs. time** graph given below to answer the following questions.



- A. During which interval(s) is the object experiencing a positive acceleration?
- B. During which interval is the **magnitude** of acceleration the greatest?
- C. During which interval(s) is the object moving with a constant velocity?
- D. During which interval(s) is the object moving with a negative velocity?
- E. What is the displacement of the object during interval C?
- F. What is the displacement of the object during interval D?