Chapter 7

Review Video

p. 386 #4 $v(t) = 6t^2 - 18t + 12$ $0 \le t \le 2$

a.   Determine when the particle is moving to the right, to the left, and stopped

p. 386 #4 $v(t) = 6t^2 - 18t + 12$ $0 \le t \le 2$

b.   Find the particle's displacement for the given time interval.

p. 386 #4   v(t) = 6t^2 − 18t +12 $0 \leq t \leq 2$

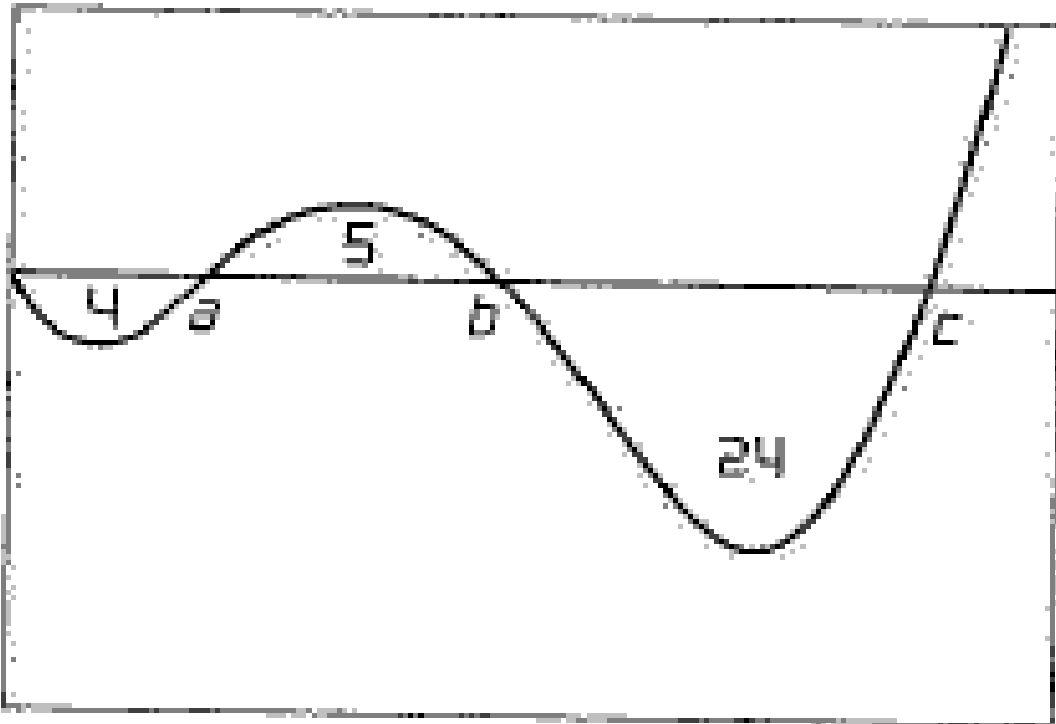c.   If s(0) = 3, what is the particle's final position?

p. 386 #4 $v(t) = 6t^2 - 18t + 12$ $0 \le t \le 2$

d.   Find the total distance traveled by the particle.
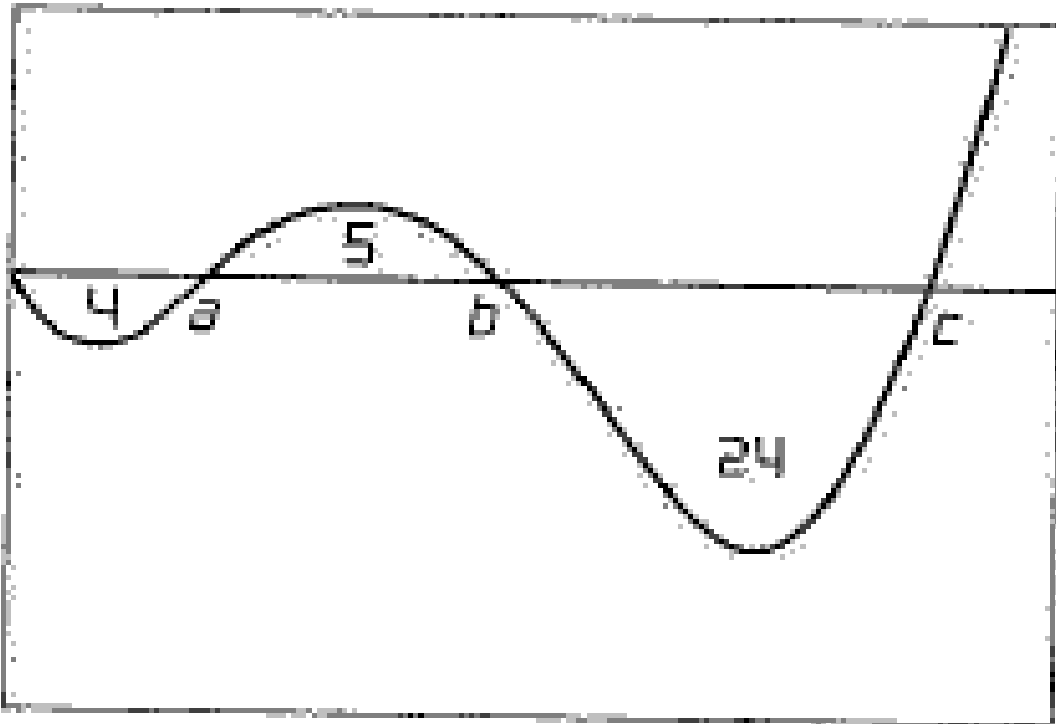
p. 386 #12-16

12.   Below is the velocity graph of a function. What is the particle's displacement between t = 0 and t =c
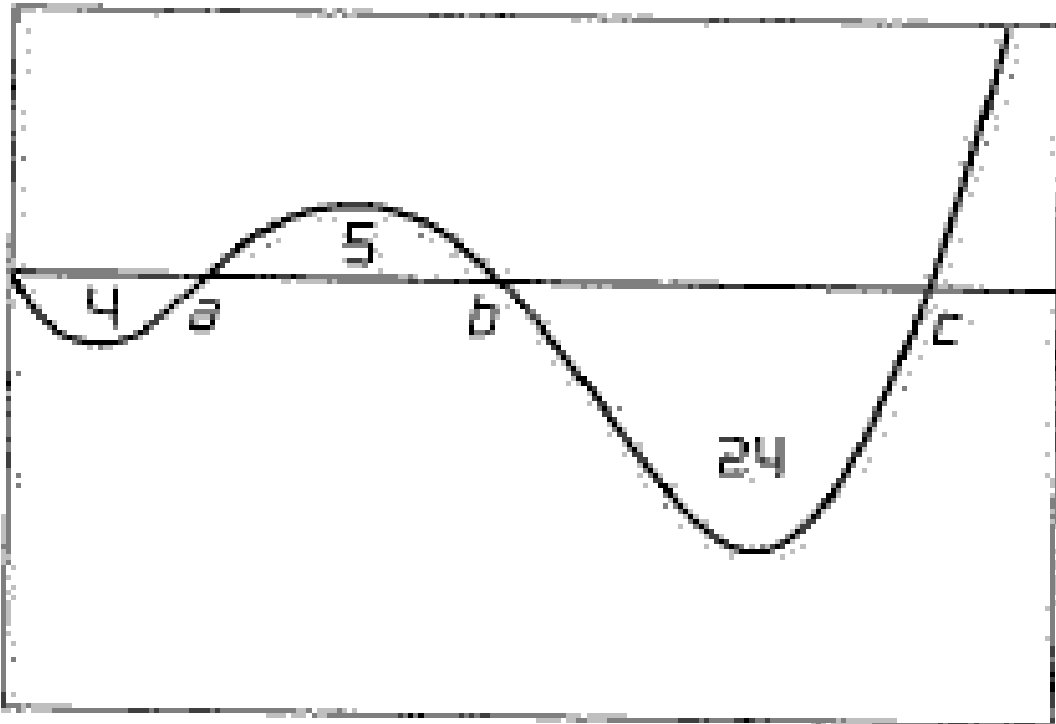
p. 386 #12-16

13.   Below is the velocity graph of a function. What is the total distance traveled between t = 0 and t =c
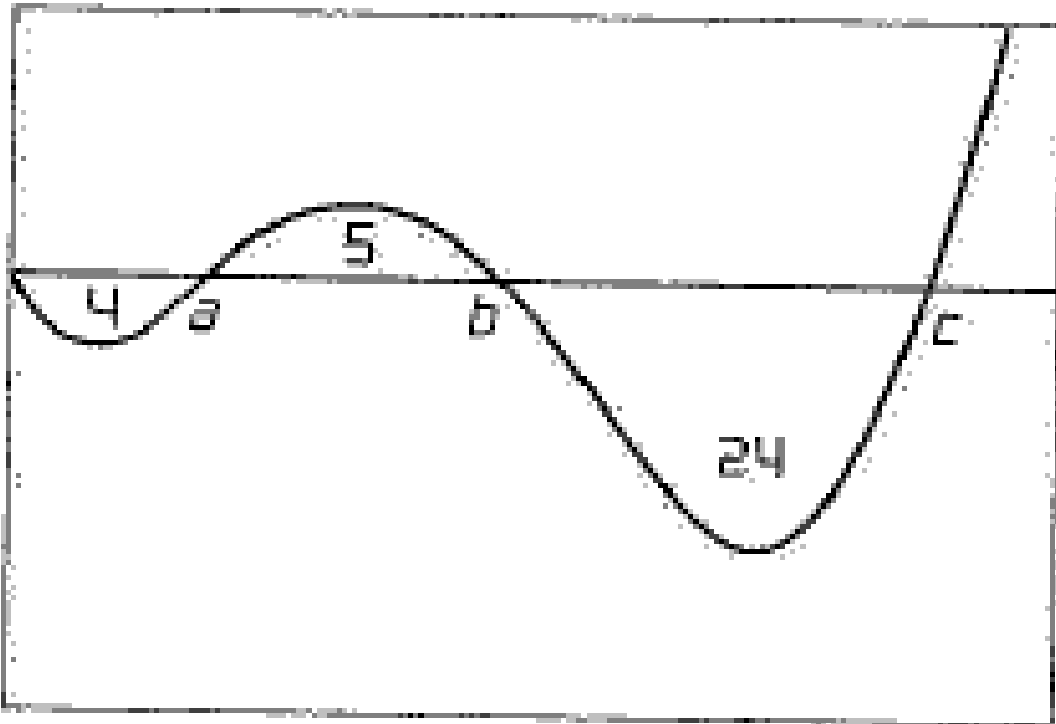
p. 386 #12-16

14. Below is the velocity graph of a function. Give the positions of the particle at times a, b, and c if $s(0) = 15$.

p. 386 #12-16

15.   Below is the velocity graph of a function. Approximately where does the particle achieve its greatest   positive acceleration on

p. 386 #12-16

15. Below is the velocity graph of a function. Approximately where does the particle achieve its greatest positive acceleration on the