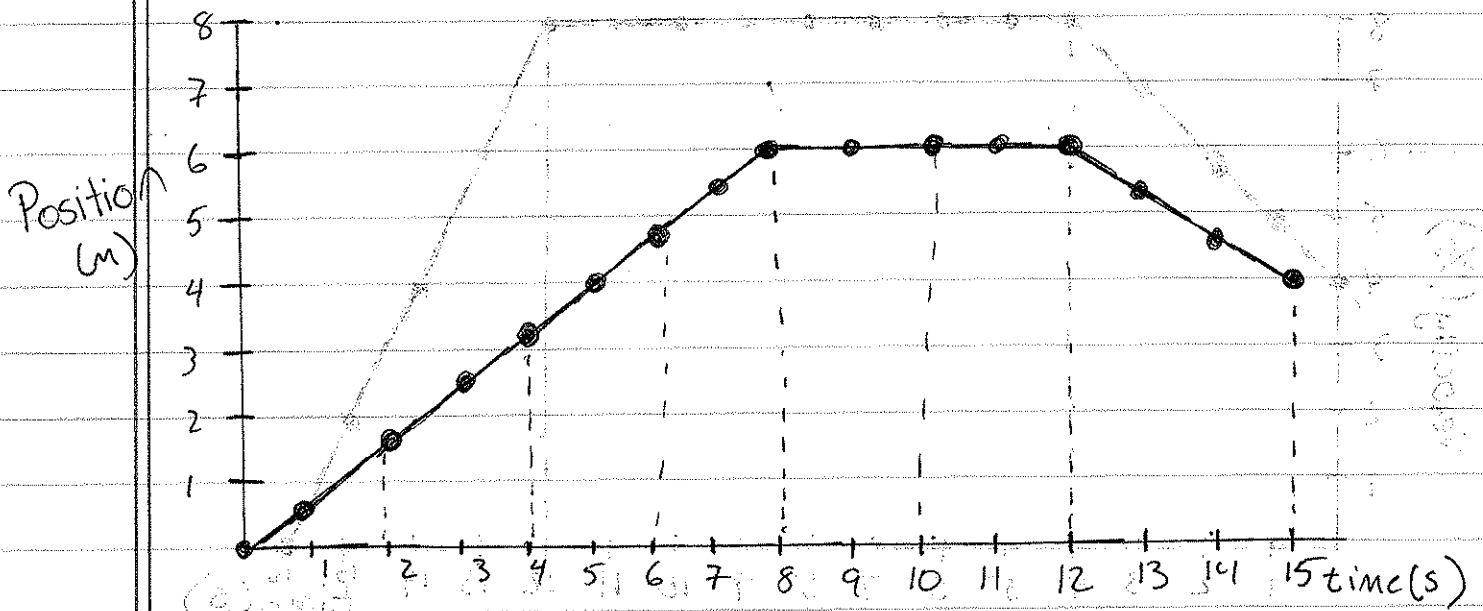


AP 1D Graphs Quiz



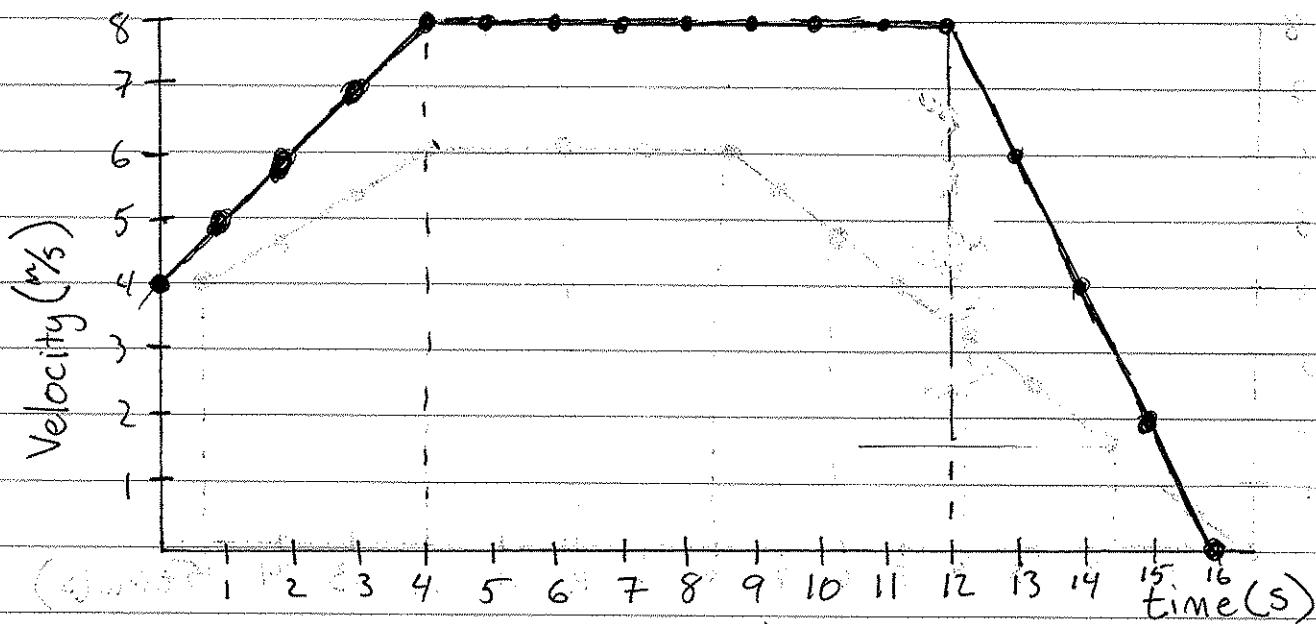
- ① What is the final DISPLACEMENT of the object?
 - A) 6 m
 - B) 0.75 m/s
 - C) 4 m/s
 - D) 63 m/s
 - E) Other

- ② What is the velocity of the object at 3s?
 - A) 6 m/s
 - B) 0.75 m/s
 - C) 4 m/s
 - D) 63 m/s
 - E) Other

- ③ What is the velocity of the object at t=14s?
 - A) 0 m/s
 - B) $\frac{2}{3}$ m/s
 - C) $-\frac{2}{3}$ m/s
 - D) $\frac{3}{2}$ m/s
 - E) $-\frac{3}{2}$ m/s

- ④ When is the object stopped?
 - A) 0-8 s
 - B) 8-12 s
 - C) 8-12 s
 - D) 12-15 s
 - E) Other

- ⑤ At t=4s the acceleration is:
 - A) Less than zero
 - B) zero
 - C) More than zero
 - D) Not enough information.



⑥ What is the velocity of the object at $t = 8$ s?
 A) 4 m/s B) 8 m/s C) 0 m/s D) 56 m/s E) Other

⑦ When is the object moving backwards?
 A) $0 - 4$ s B) $4 - 12$ s C) $12 - 16$ s D) Never

⑧ What is the acceleration of the object at $t = 2$ s?
 A) 1 m/s^2 B) 0 m/s^2 C) 6 m/s^2 D) -4 m/s^2 E) Other

⑨ What is the distance that the object travels between $0 \rightarrow 16$ s?
 A) 72 m B) 16 m C) 56 m D) 0 m E) other

⑩ What is the final displacement of the object?
 A) 72 m B) 16 m C) 56 m D) 0 m E) other