Which of the following statements are false?

(a) An object can be increasing in speed as it’s acceleration is decreasing.
(b) An object can have zero velocity and nonzero acceleration at the same time.
(c) An object can have a nonzero velocity and its acceleration be zero.
(d) An object at rest can have a constant nonzero acceleration and stay stopped.

1. (a) and (d)
2. (b) and (c)
3. (b) and (d)
4. (a) only
5. (b) only
6. (c) only
7. (d) only
8. (a), (b), and (d)
9. all are false