Physics 1114 - General Physics I

Quiz #10 - 2012.09.14

Name: _____

---

1. How can we determine if two forces are an action-reaction pair?

2. Consider a particle, initially at point A, moving with constant speed (magnitude of velocity) around a path which eventually ends up back at point A. Which of the following are *always* true:

   (a) The average velocity after the particle returns to point A is zero.

   (b) The average acceleration after the particle returns to point A is zero.

   (c) Instantaneous velocity after the particle returns to point A is zero.

   (d) Displacement after the particle returns to point A is zero.

   (e) Distance traveled after the particle returns to point A is zero.