

Physics 1114 - General Physics I

Quiz #5 - 2012.06.12

Solutions

1. What can we say about acceleration of a particle if the particle is moving with constant velocity in a perfectly circular path?

Acceleration is constant.

2. Two people are on top of a tall building. Person A simply drops a rock off the side of the building. Person B throws the rock off the side of the building (with no added vertical acceleration of course). If both rocks are released from the same height at the same time, whose rock hits the ground first?

The rocks hit the ground at the same time.