

Name \_\_\_\_\_ Period \_\_\_\_\_

### Energy Quiz 2

1. You roll a large crate that weighs 840 N up a  $30^\circ$  incline until it reaches a height of 8.0 meters (the distance along the plane will be 16.0 meters – why?). How much work did you do?

2. A 34.2 N block slides down a frictionless incline from a height of 8.4 meters, starting from rest. How fast will it be going when it reaches a height of 1.8 meters?