

## P11 - 6.3 - Slide Energy Hmk

A ball initially at rest rolls down a 20 meter high frictionless slide over a distance of 20 m. What is the final velocity of the ball?

A ball initially at rest rolls down a 12 meter high frictionless slide over a distance of 10 m. What is the final velocity of the ball?

A 40 kg skier initially at rest travels down a mountain 20 m high. What is the velocity of the skier at 8 m above the ground?

A snowboarder initially at rest travels down a 70 meter high mountain. What is the velocity of the snowboarder at 10 m above the ground?