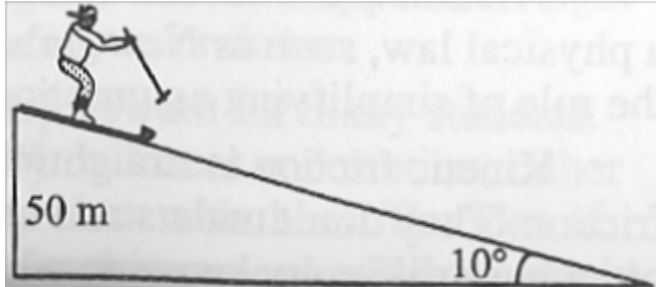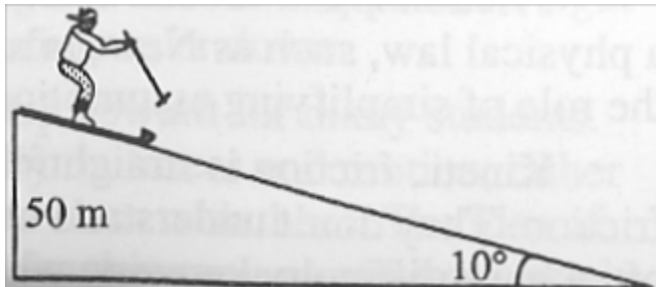# Sammy the Skier

Sammy the Skier (75 kg mass) starts down a 50 m high, 10 degree (from the horizontal) slope on skis with negligible friction (well waxed).

What is his speed at the bottom of the hill?

The next day Sammy has forgotten to wax his skis, and starts down the same hill on skis with coefficient of static friction = 0.12 and coefficient of kinetic friction = 0.06.

What is his speed at the bottom of the hill?