

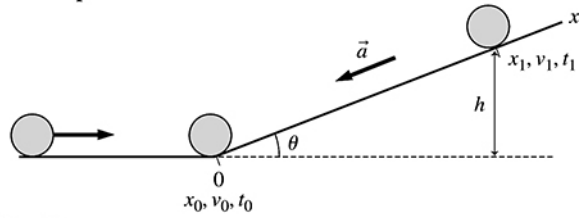
1.40. Model: Represent the ball as a particle for the motion diagram.

Visualize:

Known
 $\theta = 20^\circ$
 $x_0 = 0$ $v_0 = 10 \text{ m/s}$
 $t_0 = 0$ $a < 0$
 $v_1 = 0$

Find
 $h = x_1 \sin \theta$

Pictorial representation



Motion diagram

