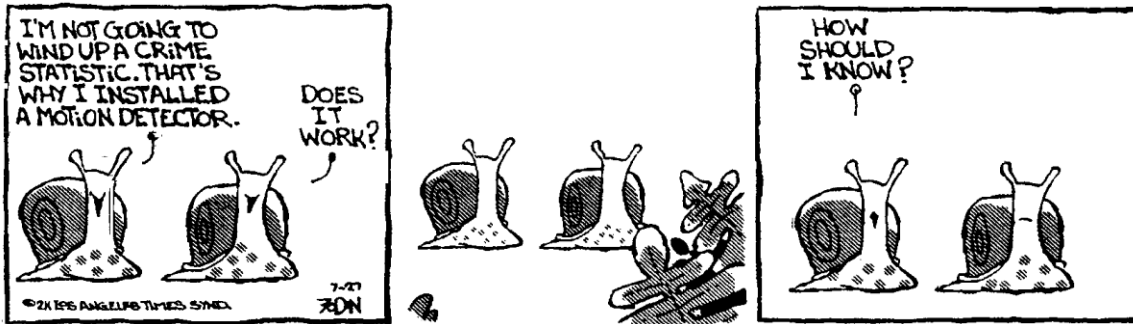


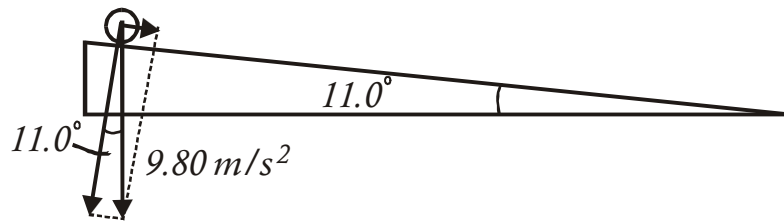
Player #1 _____

Per _____



Vital papers will demonstrate their vitality by spontaneously moving from where you left them to where you can't find them. -- Anonymous

1. A ball is at rest on a ramp as shown. If the ramp makes an angle of 11.0° to the horizontal, what is the acceleration component down the ramp? If the ball rolls down the ramp a distance of 1.2 m, how much time did it take? As you can see, g is the resultant of the acceleration down the ramp and perpendicular to the ramp.



2. A kid runs straight off a diving board. The diving board is 3.0 m above the water. If the kid travels 2.5 m horizontally from the edge of the board when he hits the water, what was his horizontal speed?

