

3-2)

A boulder rolls off the top of a cliff, which is 14 meters above the base and inclined downward at an angle of 40° . The speed of the boulder as it leaves the cliff is 7 m/s.

- a) How far from the base of the cliff will the boulder land?
- b) A person is standing 4m from the base of the cliff. If this person is 1.9 meters tall, will he be hit by the boulder?

