

## SECTION 4-1: RELATED RATES INTRO

Set up: A right triangle has a base that is getting longer at a rate of 5 m/s and a height that is getting shorter at a rate of 2 m/s.

Question 1: How fast is the length of hypotenuse changing when the base is 10 m and the height is 40 m?

Question 2: How fast is the area of the triangle changing when the base is 10 m and the height is 40 m?