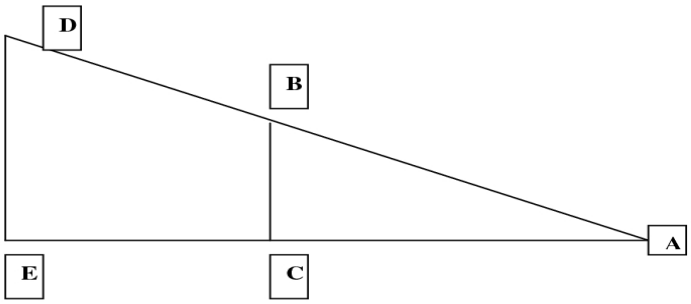
Geometry Activity: Similar Triangles

Intro: In this exciting outdoor activity (yes, this is math class), you will use your knowledge on similar triangles and proportionality to determine the height of a tall object that may be difficult to measure normally.

You know: Two triangles are similar if they have two angles that match
(two angles the same implies that the 3rd is also the same)

We write: $\Delta ABC \sim \Delta ADE$ Why are they similar?

Proportionality: $AB / BC = AD / DE$
$AC / AE = BC / DE$



Activity: Measure the height of the streetlight, using the above information!