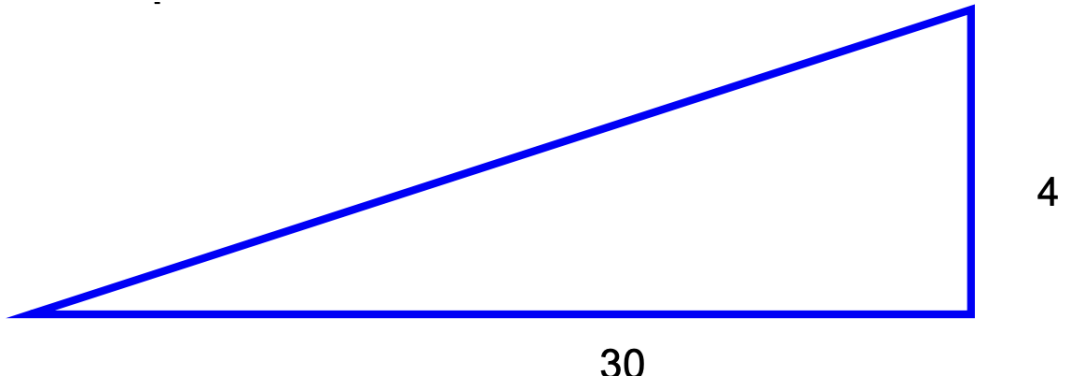


Math 1030 #18b
Problem Solving with Geometry
Pitch, Grade, Slope

Ways to measure steepness



Pitch

Slope

Grade

EX 1:

What is the approximate grade of a path that rises 1500 feet every mile?

EX 2:

Which is steeper, a trail with an 18% grade or a trail with a pitch of 2 in 11?

EX 3:

What is the grade of a 5 in 12 roof? How much does it rise in 18 horizontal feet?