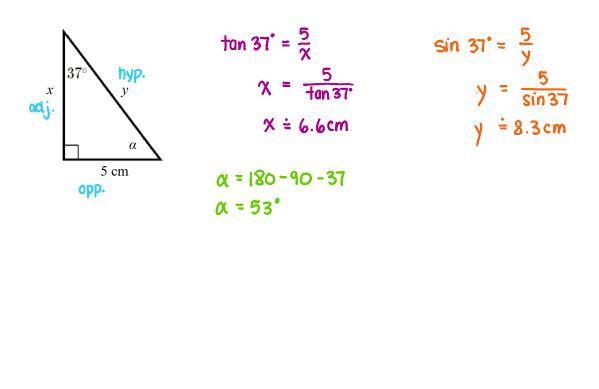
2.4 Solving Right Triangles

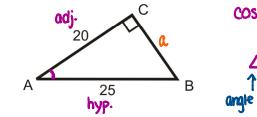
FMP 10 2.4

Trigonometry: Solving Right Triangles

Name:

Using trigonometric ratios, solve each triangle. (Determine each unknown side length and angle.)



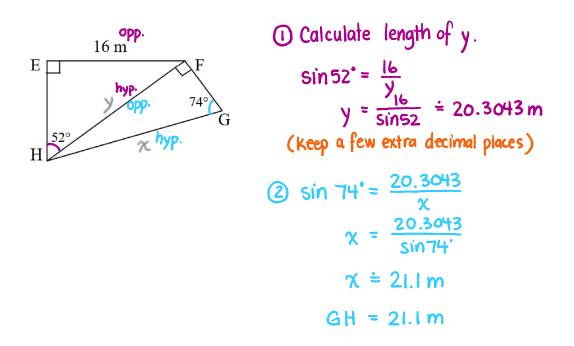


$\cos A = \frac{20}{25}$	$a^2 + 2a^2 = 25^2$
$\angle A = \cos^{-1}\left(\frac{20}{25}\right)$	0 ² + 400 = 625 - 400 - 400
7 gle symbol	a² = 225
∠A = 37°	a = √225
	a = 15

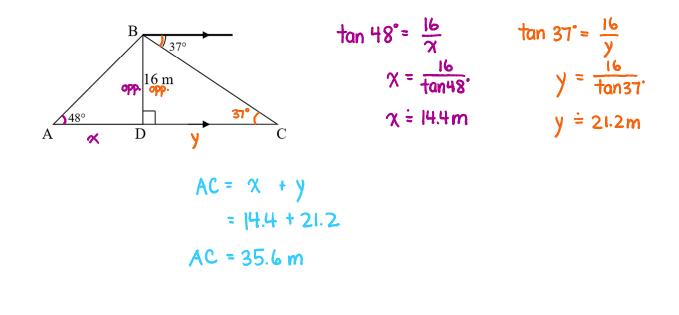
2B = 180-90-37 2B = 53°

20

Calculate the length of GH, to the nearest tenth of a meter.



Calculate the length of AC, to the nearest tenth of a meter.



Assignment: p.48 #1 – 7, 11a

Practice Test on Tuesday, October 22nd