MAP4C Day 1: Primary Trig Ratios - Finding Side Lengths

TRIGONOMETRY







PRIMARY TRIGONOMETRIC RATIOS



Examp sin θº=	le: Determine ♀∕ _H = ヶ	e the primary tr	ig ratios for the	e following triangle
$\cos \theta^{o} =$	$A/\mu = \frac{12}{2}$	/13		
tan θº=	% = 5	1/12		



FINDING SIDE LENGTHS



Practice

c)

1. Identify the opposite, adjacent, and hypotenuse sides associated with the indicated angle.

b)





- 2. Using your calculator, evaluate the following ratios. Round your answers to three decimal places.
 - a) $\sin 30^\circ = 0.5$ b) $\cos 45^\circ = 0.7071$ c) $\tan 60^\circ = 1.7321$
- 3. Find the length of the unknown side, rounded to one decimal.



5. Based on the following diagram use the values given to find the missing side indicated.

