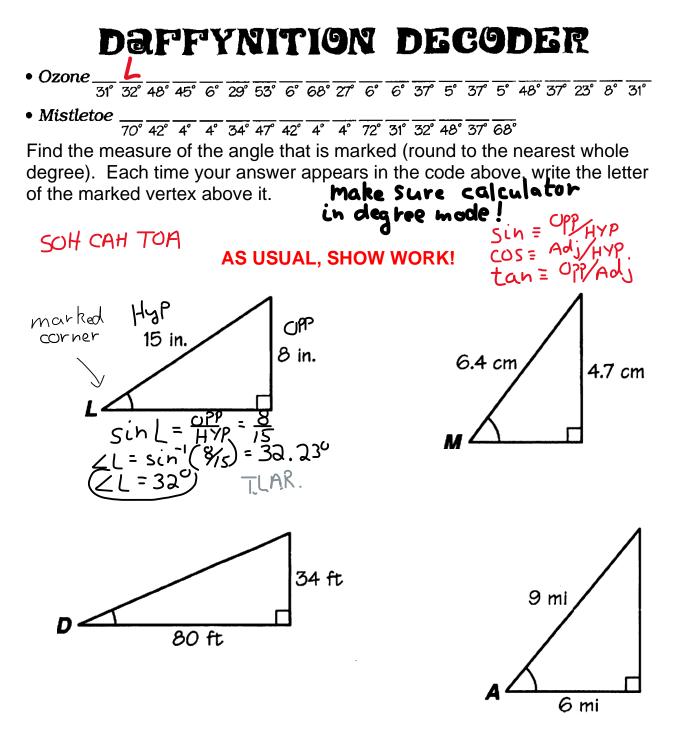
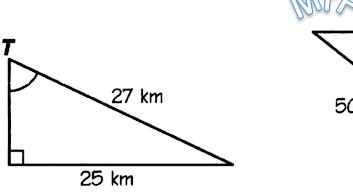
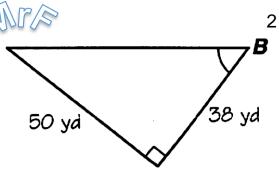
GRADE 10 ESSENTIAL UNIT E - TRIGONOMETRY FIND MEASURE OF RIGHT ANGLES

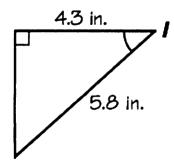
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Date: _	

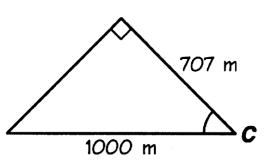
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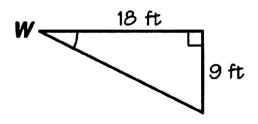


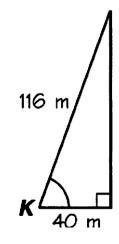






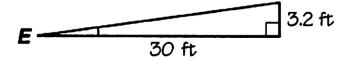




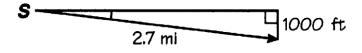


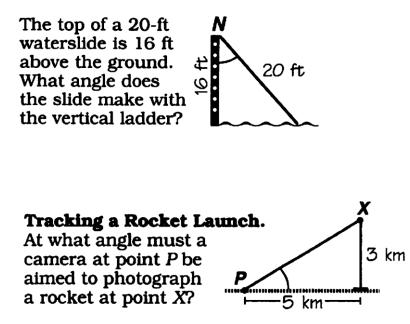


An access ramp rises 3.2 ft over a distance of 30 ft. What is the angle of the ramp with the horizontal?



A plane descends 1000 ft while flying 2.7 mi. What is the angle of descent? (1 mi = 5280 ft)





Suggested Steps:

 Label the triangle: Hypotenuse (longest side across from the right angle); label Opposite and Adjacent to the desired (or given angle);
Select the appropriate trigonometric ratio for the two known sides.
perform the *inverse* trigonometric function of the ratio (or look up the decimal version backwards in the ancient trigonometry tables)