Geometry

	1. Express these trig ratios as fractions (exact values): a. Sin30 d. Sin45 g. Sin60 b. Cos30 e. Cos45 h. Cos60 c. Tan30 f. Tan45 i. Tan60	* .
2.	If $SinA = 9/41$, find CosA and TanA.	
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3.	If a 35-foot tree casts a 27-foot shadow, find the angle of elevation to the sun at that	ume.
		* .
4.	A 20-foot ladder makes an angle of elevation of 59°, how high up does it reach?	
5.	What angle of elevation for the ladder in #4 will be necessary for the ladder to reach 18 feet?	ı up
6.	An airplane at an altitude of 250 feet, coming in for landing, sights the beginning of runway at an angle of declination of 23°. How far is the plane from being directly of the start of the runway?	
7.	If the airplane in #6 also sights the end of the runway at an angle of declination of 6 what is the length of the runway?	, ,
8.	An observer three miles from the launching of a space shuttle observes the shuttle a angle of elevation of ten degrees. How many feet high is the shuttle at that time? (N mile = 5280 feet.)	