Topic: Word Problems with Trig	<u>Date</u> :
Learning Objective(s)	:

Main Ideas/ Questions How to setup word problems	<u>Not</u> 1. 2.	tes Draw and label the triangle appropriately Setup the correct equation
Examples	А.	A boy who is flying a kite lets out 230 feet of string which makes an angle of 52° with the ground. Assuming that the string is stretched taut, find how high the kite is above the ground to the nearest foot.
	В.	Find the angle which the sun's rays make with the ground when the flagpole is 40 feet high and casts a shadow 30 feet long.
	C.	An airplane ascends at an angle of 14° with the ground. Find to the nearest 100 feet the distance it has flown when it has covered a horizontal distance of 1500 feet.
	D.	In an equilateral triangle, the perimeter is 30 cm. Find the length of the altitude.

