Name:

## HAMILTON-WENHAM REGIONAL HIGH SCHOOL Midterm Part I

**Directions** Where appropriate, give angle measures to the nearest tenth of a degree and side lengths in simplest radical form or to three significant digits. **Show all of your work.** 

r leaving an airport a plane flies for 1.5 hours at a speed of 230 km/h on a course of 230 degrees. Then on a course of 330 degrees the plane flies for 2.5 h at a speed 60 km/h. At this time, how far from the airport is the plane?  hikers are following a trail, which at a certain point, separates into two forks. hiker takes a different fork. If the fork diverges at an angle of 86 degrees, amd hiker walks at a speed of 3.25 mi/h, how far apart are the hikers after 2.5 h?  tangle has lengths 7, 14, and 14. It is the measure of the largest angle?	
hiker takes a different fork. If the fork diverges at an angle of 86 degrees, amd hiker walks at a speed of 3.25 mi/h, how far apart are the hikers after 2.5 h?	
hiker takes a different fork. If the fork diverges at an angle of 86 degrees, amd hiker walks at a speed of 3.25 mi/h, how far apart are the hikers after 2.5 h?	
	1
tiangle has lengths 5, 12, and 11.  It is the measure of the smallest angle?	
distance of 250 feet, the angle of elevation to the top of a fir tree is 73 degrees. v tall is the tree?	
1	t is the measure of the smallest angle?  distance of 250 feet, the angle of elevation to the top of a fir tree is 73 degrees.

