

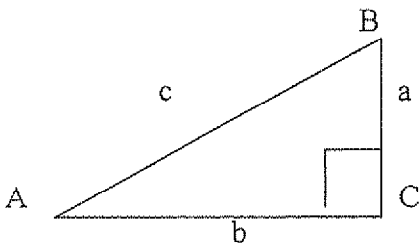
3. A ski lift travels up the mountain at an angle. It travels a distance of 475 feet. During this time, it travels a horizontal distance of 165 feet. What is the angle of elevation of the ski lift?

a) Draw a picture to represent the situation. (1 pt.)

b) Set up an equation. (2 pts.)

c) Solve. (1 pt.)

Bonus Question (Must be answered correctly to exceed indicator E3): Using $\triangle ABC$ with sides as shown, verify that $(\sin A)^2 + (\cos A)^2 = 1$



Total Points Possible: 12				
Final Score: _____	1	2	3	4
	0-5 points (Not Met)	6-8 points (Partially Met)	9-12 points (Met)	12 points plus Bonus (Exceeds)
Revised: 06/17/2004				