Using Trig Ratios

**1)** In  shown below,  and . What is ?



**2)** The lengths of 3 sides of a right triangle , which is shown below, are all given in feet.



Which ratio has the value of ?

 **(a)** *sin*(*A*)

 **(b)** *sin*(*C*)

 **(c)** *cos*(*B*)

 **(d)** *cos*(*C*)

 **(e)** *tan*(*A*)

 **(f)** *tan*(C)

**3)** For an angle with measure  in a right triangle,  and . What is the value of ?

**4)** In  shown below, the length of  is 8 inches and . What is the length, in inches, of ?

