

What Did The Leopard Say After Lunch?

TO ANSWER THIS QUESTION:

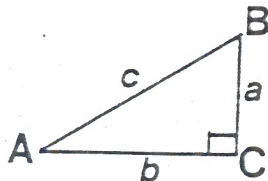
* Use the table of trigonometric ratios to do each exercise. Find each answer at the bottom of the page and write the corresponding letter above it.

Find the following:

(L) $\sin 35^\circ$ (T) $\tan 10^\circ$ (E) $\cos 65^\circ$

(A) $\cos 70^\circ$ (I) $\sin 85^\circ$ (T) $\tan 50^\circ$

Use the figure at the right for the remaining problems.



(A) If $m \angle A = 40^\circ$, then $\frac{a}{c} =$

(H) If $\frac{a}{c} = 0.966$, then $m \angle A =$

(T) If $m \angle A = 55^\circ$, then $\frac{a}{c} =$

(E) If $\frac{a}{c} = 0.707$, then $m \angle A =$

(T) If $m \angle A = 80^\circ$, then $\frac{b}{c} =$

(Y) If $\frac{b}{c} = 0.500$, then $m \angle A =$

(O) If $m \angle A = 25^\circ$, then $\frac{a}{b} =$

(T) If $\frac{a}{b} = 1.428$, then $m \angle A =$

(H) If $m \angle B = 30^\circ$, then $\frac{a}{c} =$

(L) If $\frac{a}{c} = 0.996$, then $m \angle B =$

(R) If $m \angle B = 75^\circ$, then $\frac{b}{a} =$

(S) If $\frac{b}{a} = 0.839$, then $m \angle B =$

(H) If $m \angle B = 15^\circ$, then $\frac{b}{c} =$

(P) If $\frac{b}{c} = 0.906$, then $m \angle B =$

Angle	Sin	Cos	Tan
0°	0.000	1.000	0.000
5°	0.087	0.996	0.087
10°	0.174	0.985	0.176
15°	0.259	0.966	0.268
20°	0.342	0.940	0.364
25°	0.423	0.906	0.466
30°	0.500	0.866	0.577
35°	0.574	0.819	0.700
40°	0.643	0.766	0.839
45°	0.707	0.707	1.000
50°	0.766	0.643	1.192
55°	0.819	0.574	1.428
60°	0.866	0.500	1.732
65°	0.906	0.423	2.145
70°	0.940	0.342	2.747
75°	0.966	0.259	3.732
80°	0.985	0.174	5.671
85°	0.996	0.087	11.430
90°	1.000	0.000	-----

1.192	0.866	0.342	0.174	3.732	45°	0.643	5°	0.574	60°	0.259	0.996	0.819	55°	75°	0.423	40°	65°	0.466	0.176
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