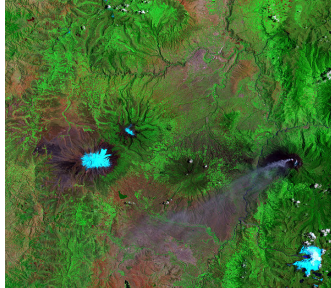


INTRODUCTORY TRIGONOMETRY

SELF-CHECK PUZZLE



This is a satellite image of the world's highest mountain. Use a scientific calculator to complete the puzzle and find its name.

1st Hint: 30' (30 minutes) is 0.5° (half of a degree).

2nd Hint: To do " \sin^{-1} " on your calculator, press the two buttons "2nd" and "sin".

M $\sin 30^\circ$	T $\cos 45^\circ \times 70$
R $\cos 45^\circ$	M $\sin 37^\circ \times 95$
O $\tan 63^\circ$	N $\tan 34^\circ \times 200$
A $\sin 48^\circ$	O $\sin^{-1}(\frac{3}{8})$
U $\cos 27^\circ$	C $\tan^{-1}(\frac{2}{3})$
I $\tan 25^\circ 30'$	Z $\cos^{-1}(\frac{7}{8})$
B $\sin 83^\circ 45'$	O $\frac{8}{\tan 50^\circ}$
H $\frac{5}{\sin 20^\circ}$	

<u>0.5</u>	<u>1.9626</u>	<u>0.8910</u>	<u>134.9</u>	<u>49.5</u>
<u>33.7</u>	<u>14.6</u>	<u>0.4670</u>	<u>57.2</u>	<u>0.9941</u>
<u>22</u>	<u>0.7071</u>	<u>0.7431</u>	<u>29</u>	<u>6.7</u>

ANSWER

MOUNT CHIMBORAZO

(Mount Chimborazo's summit is the farthest point from the Earth's centre.)