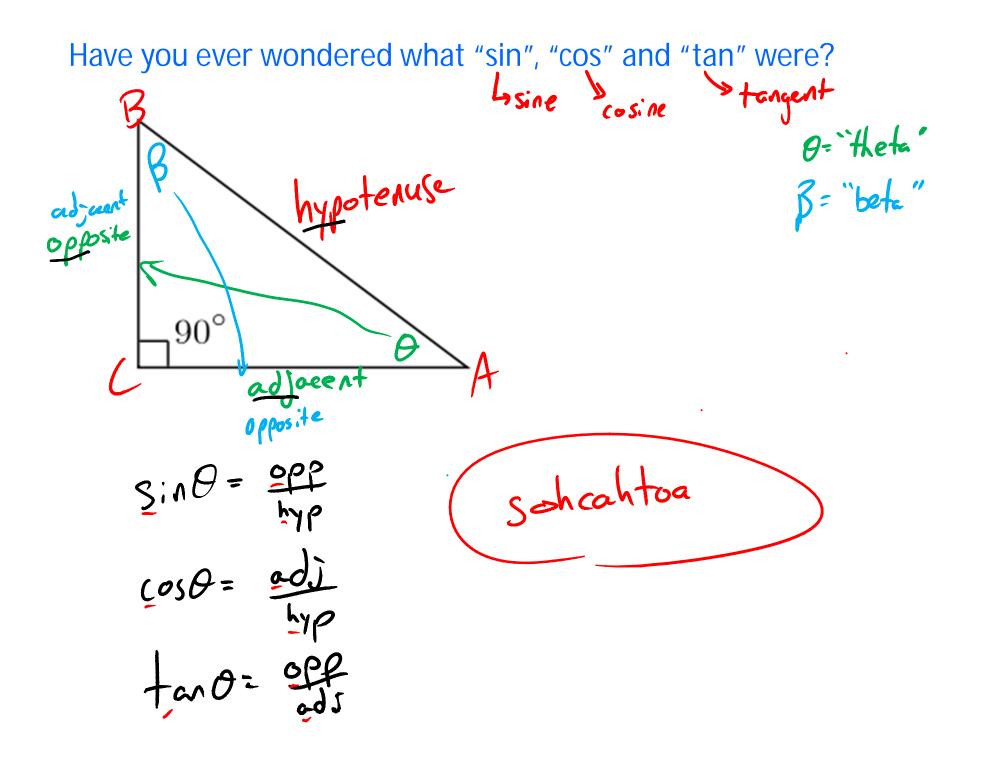
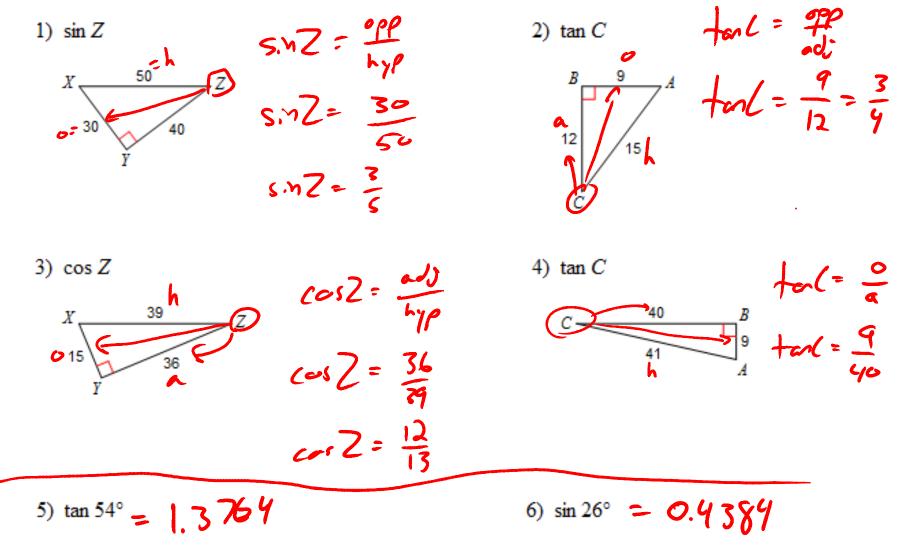
Mathematics 10D7.4 – Right Angled Trigonometry

Mr. D. Hagen



State the ratio for the given angle.



Given the ratio, calculate the angle.

7)
$$\sin C = 0.9848$$

 $\mathcal{L} = 5.n^{-1}(0.9898)$
 $\mathcal{L} = 80^{\circ}$
8) $\tan X = 6.3138$
 $\chi = 4en^{-1}(6.3136)$
 $\chi = 81^{\circ}$

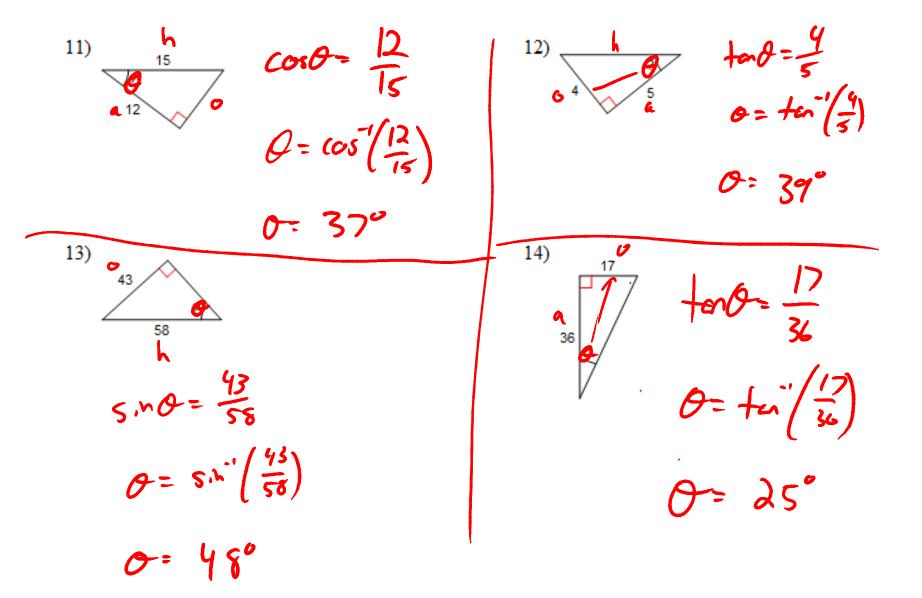
9)
$$\cos U = 0.7431$$

 $U = cos'(0.743)$
 $U = 42^{6}$

10) $\sin V = 0.8480$ $V = 5.n^{-1}(0.8480)$ $V = 58^{\circ}$

Given the ratio, calculate the angle.

 $\sinh t = \frac{0}{h} \cos t = \frac{a}{h}$ 0:2



Solve for x by setting up the appropriate trig ratio. $S_{n} \theta = \frac{0}{h} c_{n} \theta = \frac{a}{h}$	
15) x° (17) Sin 60 = $\frac{1}{17}$ (17) Sin 60 = $\frac{1}{17}$ (17) Sin 60 = $\frac{1}{17}$	16) $\frac{16}{36^{\circ}}$ $\frac{17}{h}$
14.7= ×	$(1)(0) = \frac{x}{10}(0)$
	17cos36 = x
	13.8=×
17) $\frac{xh}{\sqrt{34^{2}y}} (x)(\cos 3y = \frac{16}{x})$ $\frac{x}{\sqrt{60}} (x)(\cos 3y = \frac{16}{x})$ $\frac{x}{\cos 3y} = \frac{16}{\cos 3y}$ $x = \frac{16}{\cos 3y}$ x = 19.3	18) 54° 190 $\tan 54^{\circ} = \frac{19}{54}$ $x = \frac{19}{54^{\circ}}$ $x = \frac{19}{54^{\circ}}$ $x = \frac{19}{54^{\circ}}$ $x = \frac{19}{54^{\circ}}$ $x = \frac{19}{54^{\circ}}$ $x = \frac{19}{54^{\circ}}$