Key

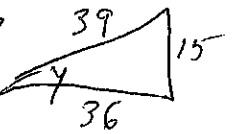
Always, sometimes, never.

1.) The cosine of an angle equals the sine of an angle. Sometimes

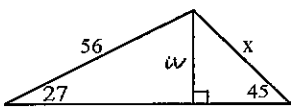
2.) $\tan(x) = \sin(x)/\cos(x)$ Always $\frac{O}{A} = \frac{\frac{O}{H}}{\frac{A}{H}}$

3.) $\sin(x) = 5$ Never

4.) If $\sin(y) = 15/39$, then $\cos(y) =$ $\frac{36}{39} = \frac{12}{13}$



5.) find the value of x

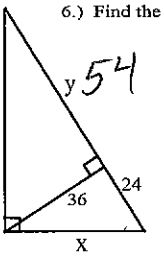


$x = w\sqrt{2}$

$\sin(27) = \frac{w}{56}$

36.0

6.) Find the value of x and y.



$\frac{y}{36}$ $\frac{36}{24}$

$24y = 36 \cdot 36$

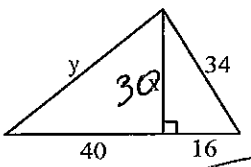
$y = 54$

$\frac{78}{x} = \frac{x}{24}$

$x^2 = 1872$

$x = 43.3$

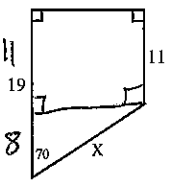
7.) Find the value of x and y.



$x = 30$

$y = 50$

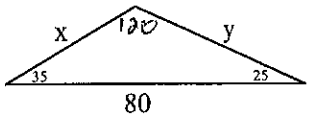
8.) Find the value of x.



$\cos(70) = \frac{8}{x}$

$x = 23.4$

9.) Find the value of x and y.



$\frac{\sin(25)}{x} = \frac{\sin(120)}{50}$

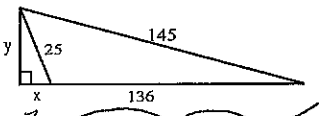
$x = 39.0$

$\frac{\sin(35)}{y} = \frac{\sin(120)}{80}$

$\frac{80 \sin(35)}{\sin(120)} = y$

$y = 53.0$

10.) solve for x and y.



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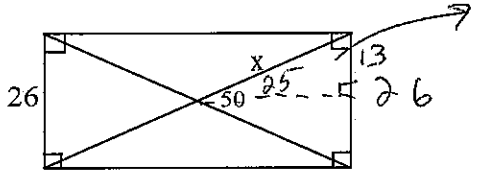
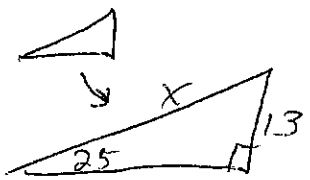
$x = 7$

$y = 24$

~~21625~~

11.) solve for x.





$\sin 25 = \frac{13}{x}$

$x = 30.8$