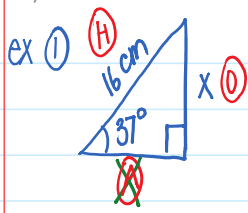


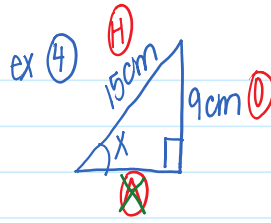
U6L5 Which Rule do you use in TRIGNOMETRY???

May-13-15 8:46 AM

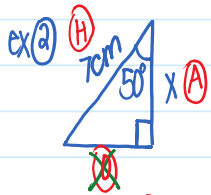
May 13, 2015



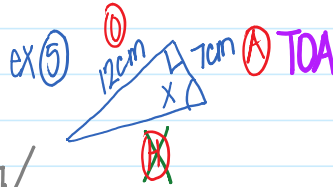
SOH $\sin 37^\circ = \frac{O}{H}$
 $\sin 37^\circ = \frac{x}{16}$
 $x = 16 \sin 37^\circ$
 $x = 9.6 \text{ cm}$ ✓



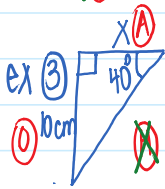
SOH Find SIDE!
 $\sin X = \frac{O}{H}$
 $\sin X = \frac{9}{15}$
and fun!
 $x = \sin^{-1}(\frac{9}{15})$ $x = 37^\circ$ ✓



CAH $\cos 50^\circ = \frac{A}{H}$
 $\cos 50^\circ = \frac{x}{7}$
 $x = 7 \cos 50^\circ$
 $x = 4.5 \text{ cm}$ ✓



TOA Find SIDE!
 $\tan X = \frac{O}{A}$
 $\tan X = \frac{12}{7}$
 $x = \tan^{-1}(\frac{12}{7})$
 $x = 60^\circ$ ✓



TOA $\tan 40^\circ = \frac{O}{A}$
 $\tan 40^\circ = \frac{x}{10}$

*** STEPS Reminder: ① Label H,O,A
 *** ② Cross out "extra" letter
 ③ Choose TRIG RATIO
 SOH CAH TOA
 ← side missing
 ← angle missing

reminder: \div both sides $\rightarrow \frac{x \tan 40^\circ}{\tan 40^\circ} = \frac{10}{\tan 40^\circ}$

$x = \frac{10}{\tan 40^\circ}$
 $x = 11.9 \text{ cm}$ ✓

Assignment: U6L4 (18H) #1-3: (A)(C)(E)(G)(I) /5mks