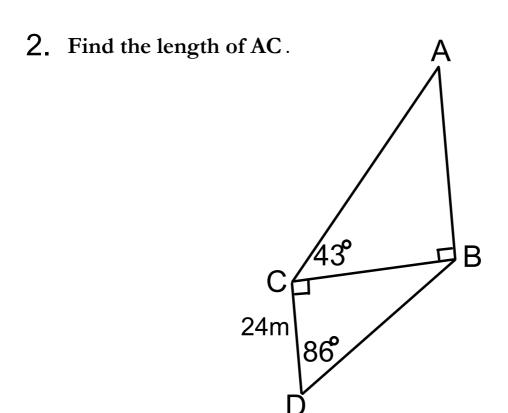
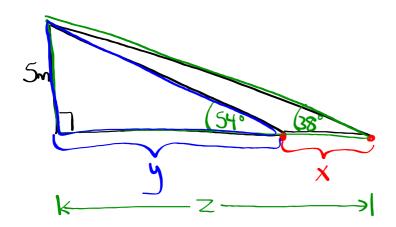
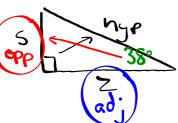
Warm Up Questions

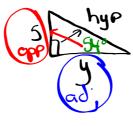
1. From his line of sight 5m high, a life guard sees two people in distress. The angles of depression to the individuals are 54 and 38 degrees respectively. What is the distance between the two people in distress?



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$$tan 38' = \frac{5}{2}$$



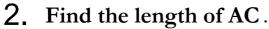
(ii) Find X.

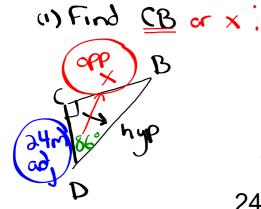
x= Z-4

m 8.6 = X

$$\frac{9.7813}{9.7813}z = \frac{5}{9.7813} = \frac{1.3764}{1.3764} = \frac{5}{1.3764}$$

$$\frac{Z=6.4m}{}$$





$$\tan \underline{\theta} = \frac{\text{opp}}{\text{ad}}$$

$$tan86° = \frac{x}{34}$$

$$343.9m = x$$

A (ii) Find A(or i)

$$C = \frac{43}{4}$$
 $C = \frac{343.3}{4}$
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$$\frac{0.7314}{0.7314} = \frac{343.3}{0.7314}$$

$$\sqrt{4 = 469.3}$$

Homework