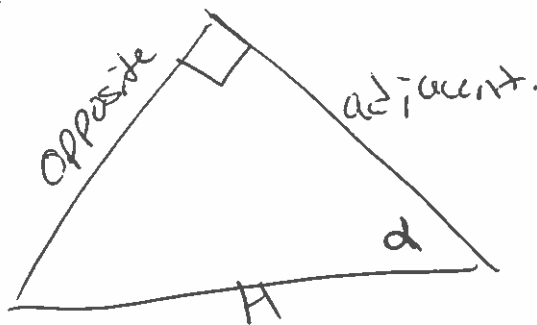
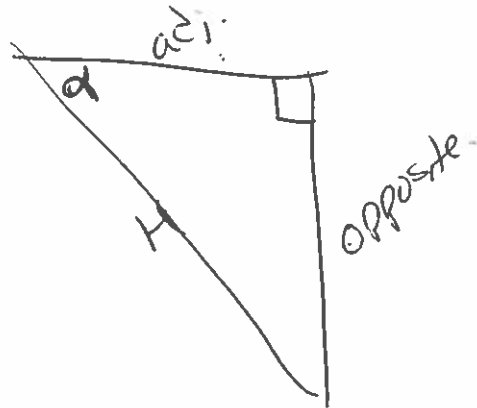
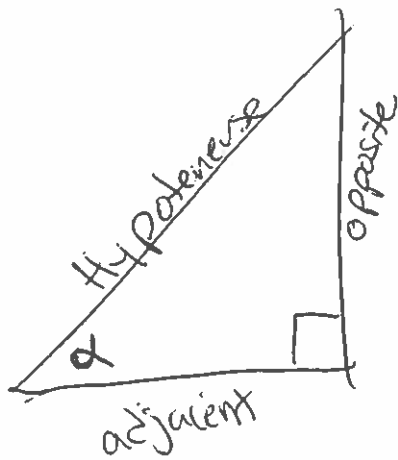


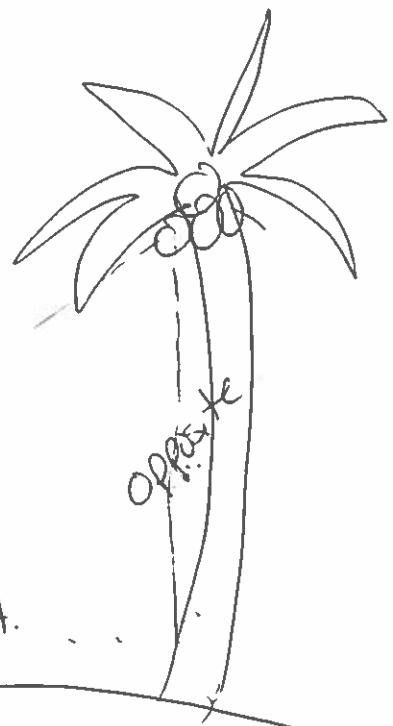
Right Triangle Trig



$$\sin(\alpha) = \frac{\text{OPP}}{\text{HYP.}} \quad \underline{\text{SOH}}$$

$$\cos(\alpha) = \frac{\text{adj}}{\text{HYP.}} \quad \underline{\text{CAH}}$$

$$\tan(\alpha) = \frac{\text{OPP}}{\text{adj}} \quad \underline{\text{TOA}}$$



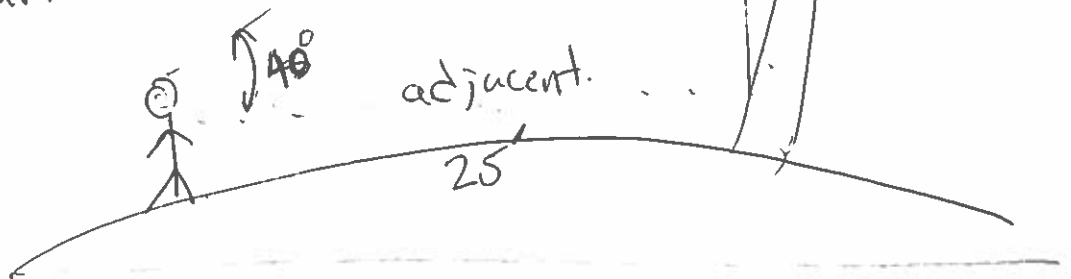
Ex

$$\text{OPP} = X = \tan(40^\circ)$$

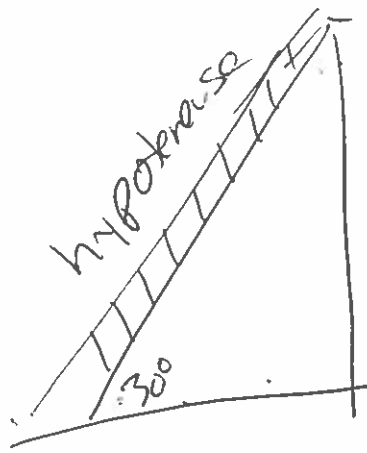
$$\text{adj} = 25$$

$$X = 25 \tan(40^\circ)$$

$$X = 20.97'$$



Ex

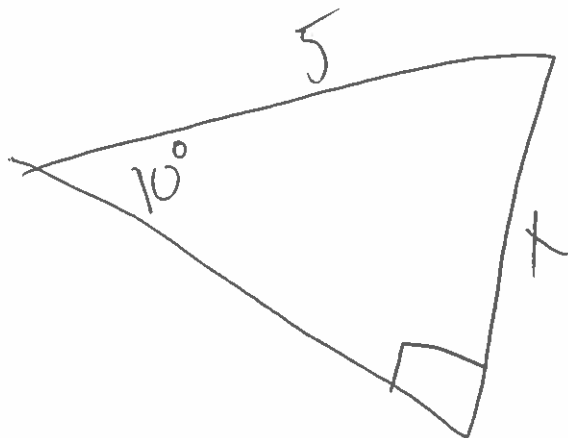


$$20.97' = \text{OPP.}$$

$$\frac{\text{OPP}}{\text{HYP}} = \frac{20.97}{X} = \sin 30^\circ$$

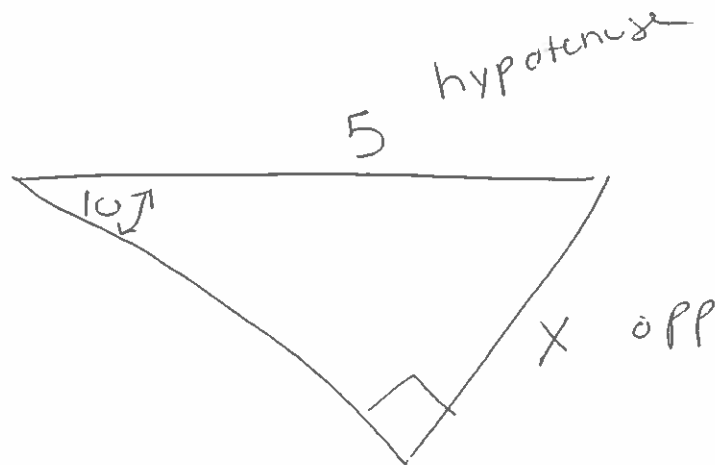
$$\frac{20.97}{\sin 30^\circ} = X$$

$$41.94$$



<p>GROUP NAME:</p> <p>Logo:</p>	<p>Student Names (First and Last)</p> <p>Speaker/Presenter: _____</p>
<p>Date: _____</p> <p>Topics:</p>	<p>Writer/Prep: <u>Nisha V. ...</u></p> <p>QC/Leader: <u>Jenna Garofalo</u></p>

Instructions:



$\frac{\text{opp}}{\text{hyp}}$

$$\frac{\text{opp}}{\text{hyp}} = \frac{x}{5} = \sin(10^\circ)$$

$$5 \sin(10^\circ)$$

$$= .8682408883$$

$$\approx .87$$

<p>GROUP NAME: <u>MooBS</u></p> <p>Logo:</p>	<p>Student Names (First and Last)</p> <p>Speaker/Presenter: <u>Ammed</u></p>
<p>Date: _____</p> <p>Topics:</p>	<p>Writer/Prep: <u>Jenn/KerD</u></p> <p>QC/Leader: <u>Daniella</u></p>

Instructions:



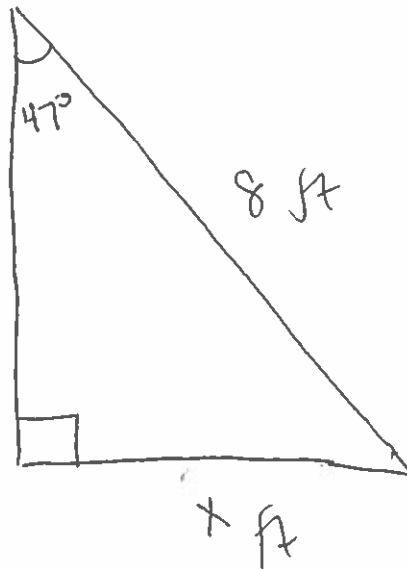
$$\frac{\text{Opp}}{\text{hyp}} = \frac{x}{5} = \sin(10^\circ)$$

$$x = 5 \sin(10^\circ)$$

$$x = .1736$$

<p>GROUP NAME: <u>Big Wizards</u></p> <p>Logo:</p>	<p>Student Names (First and Last)</p> <p>Speaker/Presenter: <u>Jason Hayes</u></p>
<p>Date: <u>10/17/13</u></p> <p>Topics: <u>Triangles</u></p>	<p>Writer/Prep: <u>Rachel Ralston</u></p> <p>QC/Leader: _____</p>

Instructions:



$$\frac{x}{8} = \sin 47^\circ$$

$$x = 8 (\sin 47^\circ)$$

$$x = 5.85 \text{ ft}$$

<p>GROUP NAME: <u>Evicted</u></p> <p>Logo: <u>Fish + chips</u></p>	<p>Student Names (First and Last) _____</p> <p>Speaker/Presenter: _____</p>
<p>Date: _____</p> <p>Topics: _____</p>	<p>Writer/Prep: <u>Elise</u></p> <p>QC/Leader: <u>Elizabeth</u></p>

Instructions:



$$\frac{\text{opp.}}{\text{adj.}} = \tan(30^\circ) = \frac{x}{4} \Rightarrow 2.31$$