

$$\tan 39^\circ = \frac{a}{38}$$

$$a = 38 \tan 39^\circ$$

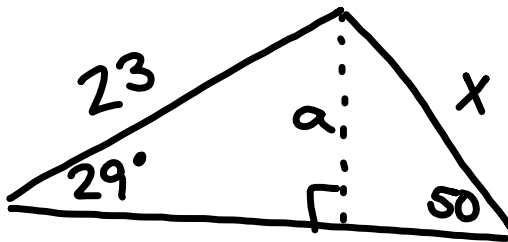
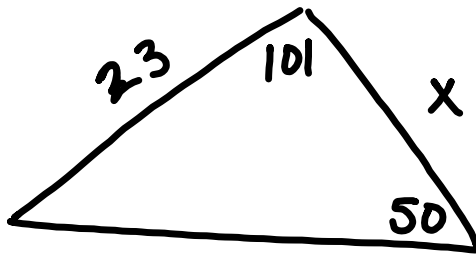
$$a = 30.8$$

$$\sin 60^\circ = \frac{30.8}{x}$$

$$x = \frac{30.8}{\sin 60^\circ}$$

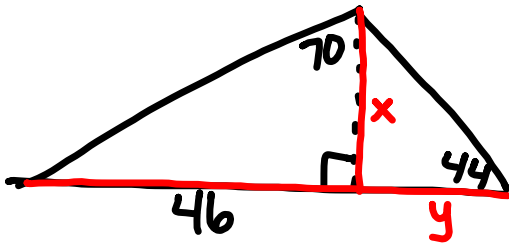
$$x = 35.6$$

3.



$$A = \frac{1}{2}bh$$

5.



$$\tan 70^\circ = \frac{46}{x}$$

$$x = \frac{46}{\tan 70^\circ}$$

$$x = 16.7$$

$$\tan 44^\circ = \frac{16.7}{y}$$

$$y = \frac{16.7}{\tan 44^\circ}$$

$$y = 17.3$$

$$A = \frac{1}{2}(46 + 17.3)(16.7)$$

$$A = 528.6$$