

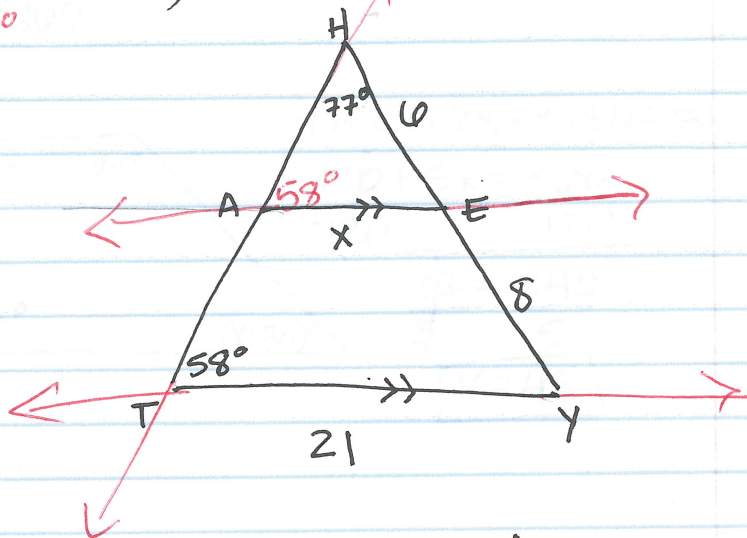
Parallel lines and similar triangles

Ex. Find the missing measures

$$m\angle HAE = 58^\circ$$

$$m\angle Y = 45^\circ$$

$$x = 9$$



$$77 + 58 + Y = 180$$

$$135 + Y = 180$$

$$\begin{array}{r} -135 \\ \hline \end{array} \quad \begin{array}{r} -135 \\ \hline \end{array}$$

$$Y = 45^\circ$$

$$\frac{6}{14} = \frac{x}{21}$$

$$\frac{14}{14}x = \frac{126}{14}$$

$$x = 9$$