

X

$$\frac{\sin 14}{4} \times \frac{\sin 54}{x}$$
 $\frac{x \cdot \sin 14}{\sin 14} = \frac{4 \sin 54}{\sin 14}$
 $\frac{\sin 14}{\sin 14} = \frac{13.311}{x}$

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

$$\frac{\sin 54}{x}$$

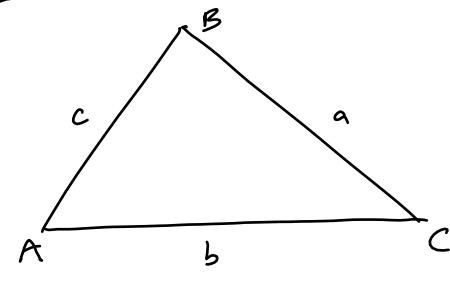
$$= \frac{4 \sin 54}{\sin 14}$$

$$\frac{\sin 39}{15} \times \frac{\sin 23}{x}$$

$$\frac{x \sin 39}{x \cos 23} \times \frac{\sin 23}{x \cos 23}$$

$$\frac{x \sin 39}{\sin 39} \times \frac{\sin 23}{\sin 39}$$

$$\frac{x \sin 39}{\sin 39} \times \frac{\sin 23}{\sin 39}$$



$$a^2 = b^2 + c^2 - 2bc \cdot cos A$$

$$x^{2} = 17^{2} + 39^{2} - 2(17)(39) \cos 20$$

$$x^{2} = 563.968$$

$$x = 23.748$$

HW: p. 525 > 6-14 even p. 530 > 8-16 even