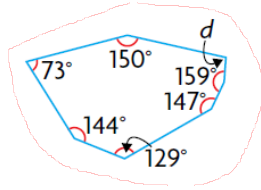


1. Determine the measure of the missing interior angle.



1. Find sum of interior angles.

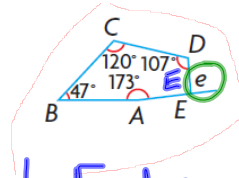
$$\begin{aligned} \text{Sum} &= (7-2) \times 180^\circ \\ &= 900^\circ \end{aligned}$$

$$\begin{aligned} 2. \angle d &= 900 - 159 - 147 - 129 - 144 - 73 - 150 \\ &= 98^\circ \end{aligned}$$

2. Determine the measure of a 13-gon.  
✓  
interior

$$\begin{aligned} S_{13} &= (13-2) \times 180 \\ &= 11 \times 180 \\ &= 1980^\circ \end{aligned}$$

3. Determine the measure of the missing angle.



1. Find sum of interior angles.

$$S_5 = (5-2) \times 180$$

$$= 540^\circ$$

2. Solve for  $\angle E$ .

$$\angle E = 540 - 47 - 120 - 107 - 173$$

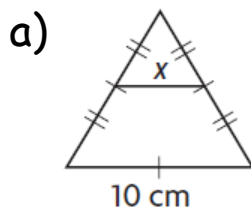
$$= 93^\circ$$

3. Solve for  $\angle e$ .

$$\angle e = 180 - 93^\circ$$

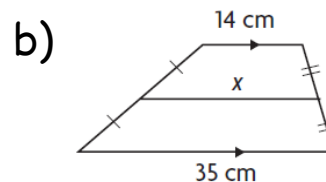
$$= 87^\circ$$

4. Determine the value of  $x$ .



$$x = 10 \div 2$$

$$= 5 \text{ cm}$$

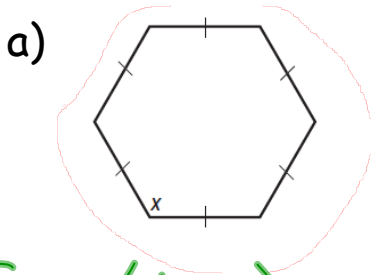


$$x = (14 + 35) \div 2$$

$$= 49 \div 2$$

$$= 24.5 \text{ cm}$$

5. Determine the measure of  $x$ .

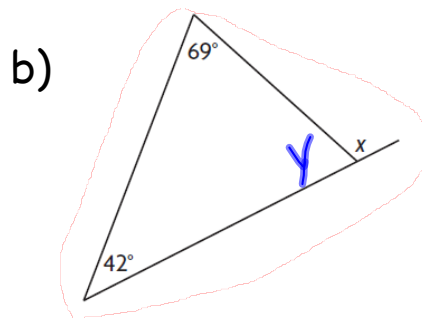


$$S_6 = (6-2) \times 180^\circ$$

$$= 720^\circ$$

$$x = \frac{720}{6}$$

$$= 120^\circ$$



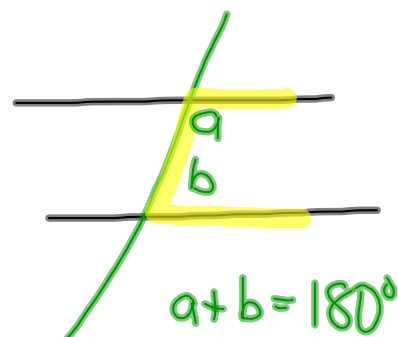
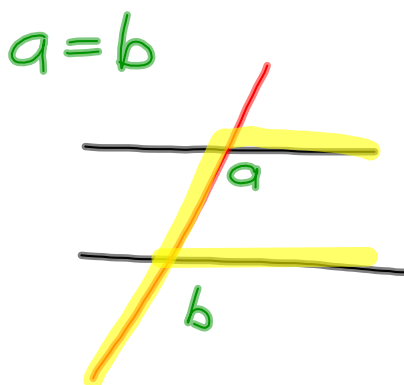
$$\angle y = 180 - 69 - 42$$

$$= 69$$

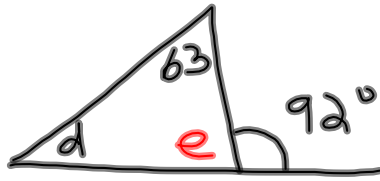
$$\angle x = 180 - 69$$

$$= 111^\circ$$

Test Review: p. 398 #1ace, 2ac, 4ac  
 p. 418 - 419 #4, 5, 15  
 p. 420 #3, 7



#4c)



$$\begin{aligned}\angle e &= 180 - 92 \\ &= 88\end{aligned}$$

$$\begin{aligned}\angle d &= 180 - 63 - 88 \\ &= 29^\circ\end{aligned}$$