

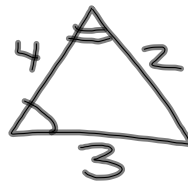
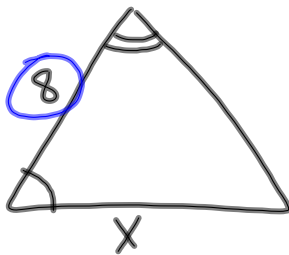
5-7-14
1st Geo

Review

① Which could be a real triangle?

- (A) $(3, 8, 11)$ $5 \rightarrow 11$ X
- (B) $(4, 4, 8)$ $0 \rightarrow 8$ X
- (C) $(8, 8, 14)$ $0 \rightarrow 14$ $16 \checkmark$

②



$$\frac{8}{4} = \frac{x}{3}$$

$$4x = 24$$

$$x = 6$$

③



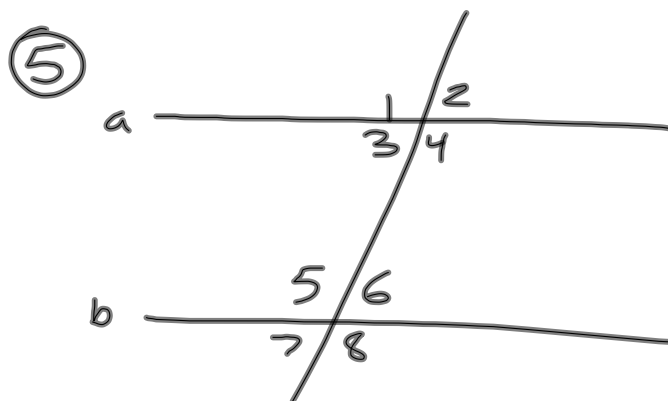
$$n = \frac{360}{\text{ext. } \angle}$$

$$n = \frac{360}{18} = 20$$

$$\text{ext } \angle = \frac{360}{n}$$

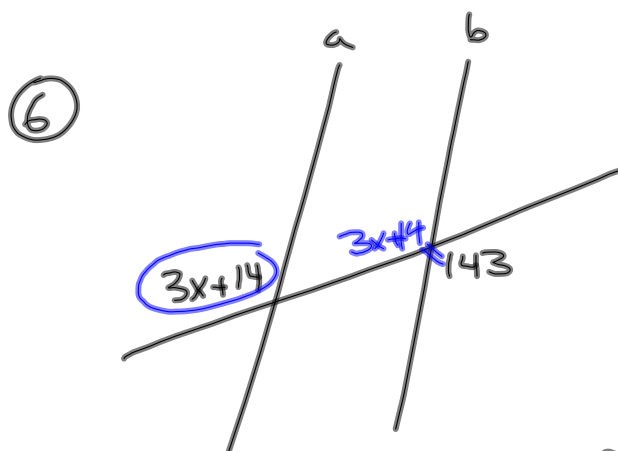
④ What is the sum of the angles in a decagon?

$$\begin{aligned} &(n-2) \cdot 180^\circ \\ &(10-2) \cdot 180 \\ &8 \cdot 180^\circ \\ &1440^\circ \end{aligned}$$



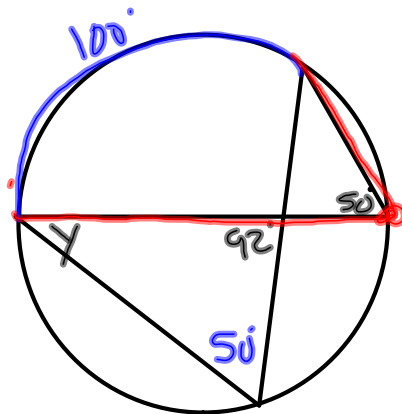
List me all things that would prove that $a \parallel b$.

$\angle 3 = \angle 6$ $\angle 4 = \angle 5$ Alt. Int. \angle
 $\angle 3 + \angle 5 = 180^\circ$ $\angle 4 + \angle 6 = 180^\circ$ Consec. Int. \angle
 $\angle 1 = \angle 5$ $\angle 2 = \angle 6$ $\angle 3 = \angle 7$ $\angle 4 = \angle 8$ Corresp. \angle 's.



What value of x proves that $a \parallel b$? $3x+14=143$
 $x=43$

7

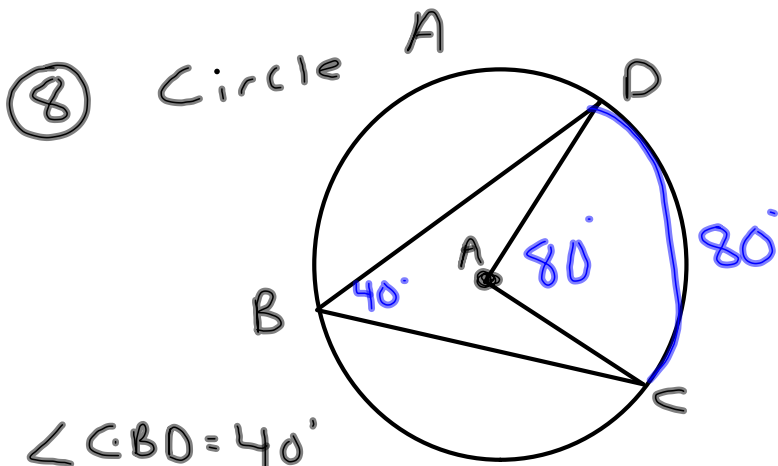


Find y .

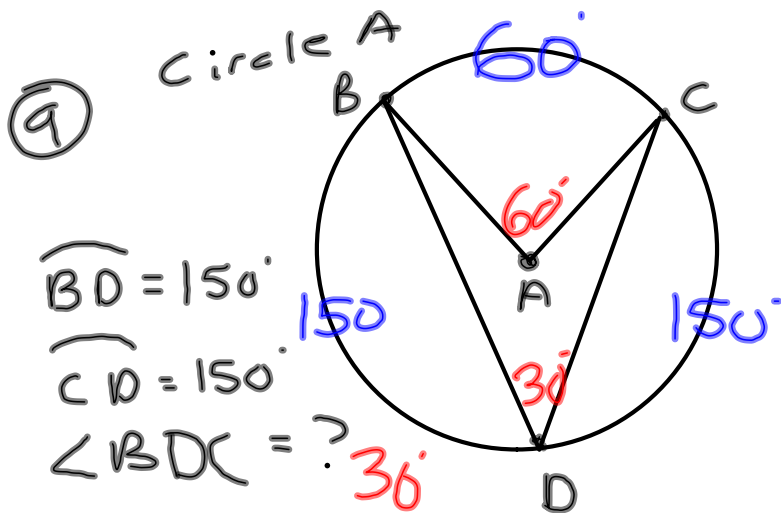
$$92 + 50 + y = 180$$

$$142 + y = 180$$

$$y = 38$$



$\angle CBD = 40^\circ$
 $\angle DAC = ?$



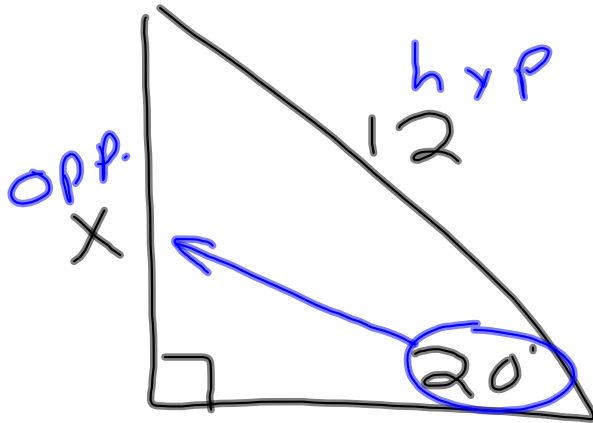
$\widehat{BD} = 150^\circ$

$\widehat{CD} = 150^\circ$

$\angle BDC = ?$

36

10



Soh

CAH

TOA

$$\frac{\sin 20^\circ}{1} = \frac{x}{12}$$

$$x = 12 \cdot \sin 20^\circ$$

$$x \approx 4.1$$

11

