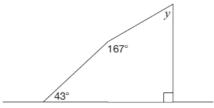
Angle Review

Consider the diagram below.



What is the value of y?

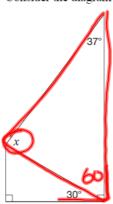
- a 43°
- **b** 60°
- c 137°
- d 150°

$$(n-2)\times 180$$

 $y=360-90-43-167$
 $=60$

180-60-37 = 83

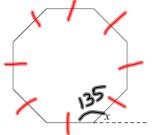
Consider the diagram below.



What is the value of x in the diagram?

- a 30°
- b 53°
- **c** 60°
- d 83°V

Consider the regular octagon below.



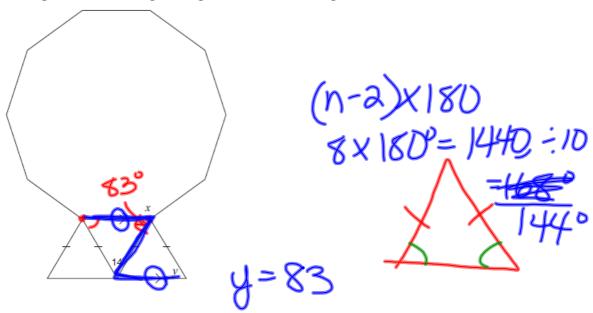
What is the value of x?

$$(n-a) \times 180$$

= 6×180
= $1080 \div 8$
= 135

Diamond Cut

The diagram below shows a regular decagon and three isosceles triangles.



The sum of the interior angles of a polygon is 2700° .

How many sides does the polygon have?

- a 19
- b 17
- c 15
- d 13

$$\frac{2700 = (n-2) \times 180}{180}$$
= $15^{12} \times n - 2^{12}$
= 17

Daring Diagram

A diagram is shown below. y = 360 - 90 - 70 - 85 $= 1|5^{\circ}$ 540 - 100 - 100 5 - 2) * 180 = 540 $3 \times = 340$ $3 \times = 340$ 13.3°