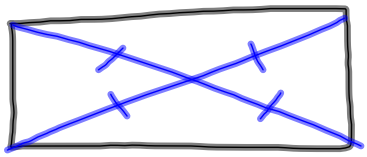
2-4-14

1st geo



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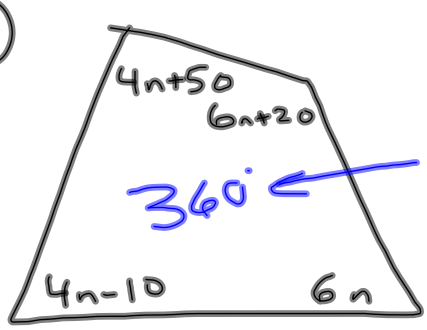
(4)



$(n-2)\cdot 180$

$(4-2)\cdot 180$

$2\cdot 180$

360

$4n-10+6n+6n+20+4n+50=360$

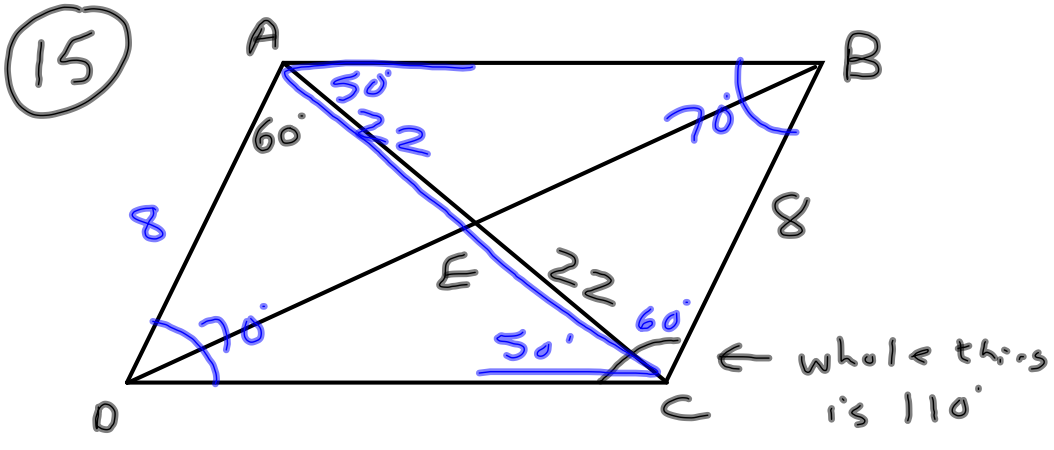
$20n+60=360$

$-60 \quad -60$

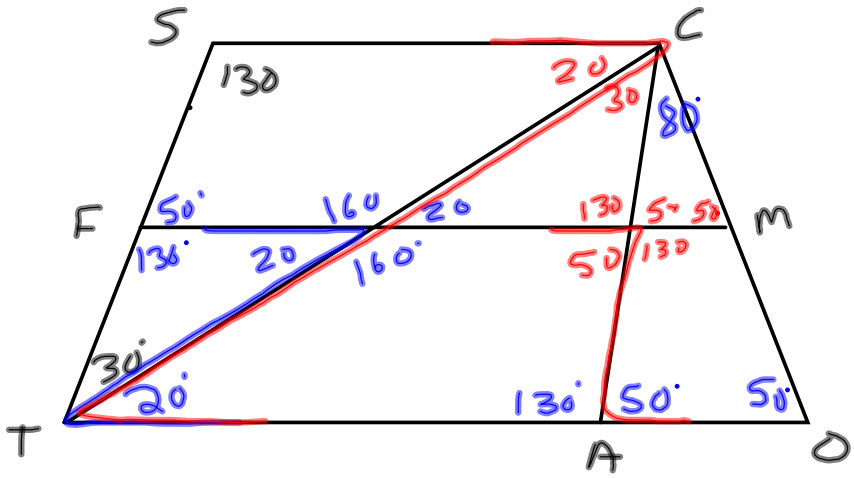
$20n=300$

$n=15$

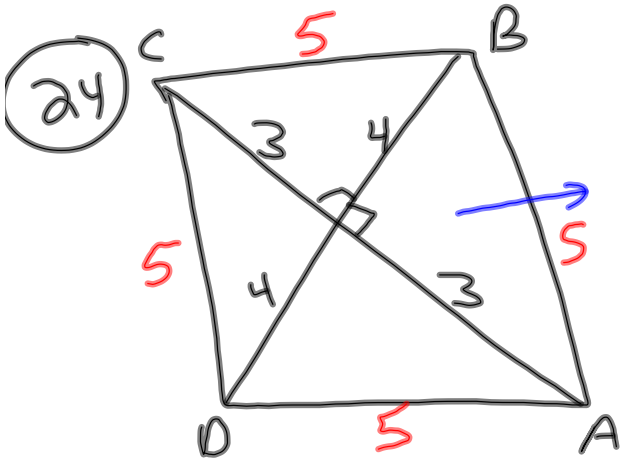
(15)

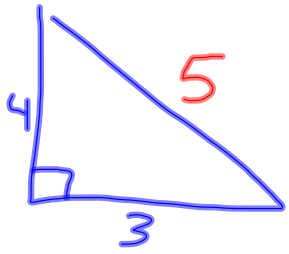


(20)



(24)





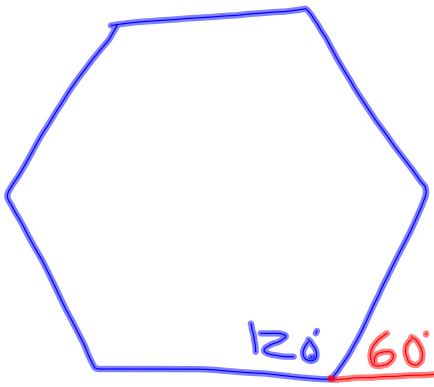
$3^2+4^2=c^2$

$9+16=c^2$

$25=c^2$

Questions

How many degrees is each interior angle of a regular hexagon?

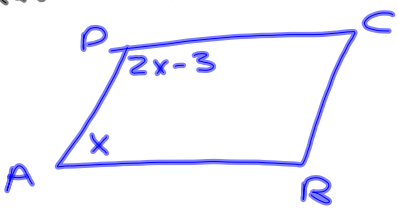


$\text{ext}\angle = \frac{360}{n}$

$= \frac{360}{6}$

$= 60°$

If ABCD is a parallelogram with $\angle A = X$ and $\angle D = 2x-3$, what is x?



$x + 2x - 3 = 180$

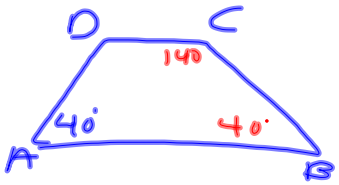
$3x - 3 = 180$

$+3 \quad +3$

$\frac{3x}{3} = \frac{183}{3}$

$x = 61$

If ABCD is an isosceles trapezoid with $\angle A = 40°$, what is $\angle C$? 140



Opposite Angles are not always congruent in a

A.) rhombus

B.) parallelogram

C.) trapezoid

D.) rectangle

Diagonals are always perpendicular in a

A.) parallelogram

B) trapezoid

C.) rhombus

D.) rectangle