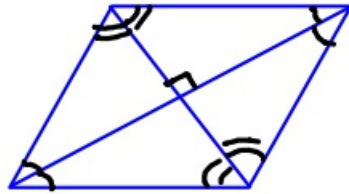


11-19-18 5th Geo

Rhombus

- ① All rules of parallelogram apply
- ② Diagonals are \perp
- ③ Diagonals bisect the angles.



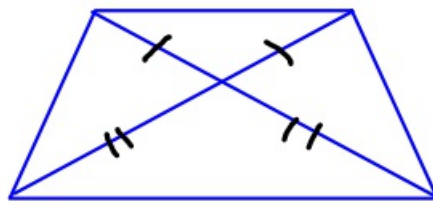
Rectangle's main thing

- ① Diagonals are equal

Isosceles trapezoid



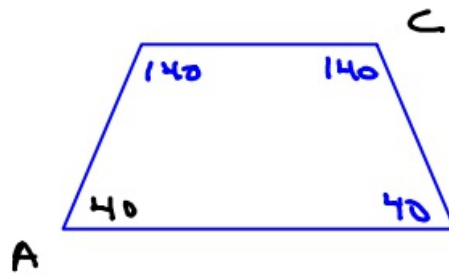
Base angles are $=$



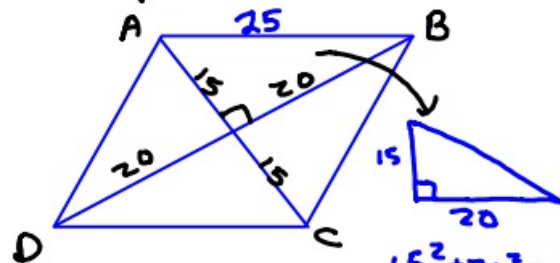
- ② Diagonals = in length



- ① In an isosceles trapezoid ABCD
 $\angle A = 40^\circ$. What is $\angle C$?



- ② ABCD is a rhombus.
 If $AC = 30$ and $BD = 40$,
 what is the perimeter of ABCD?



$P = 100$

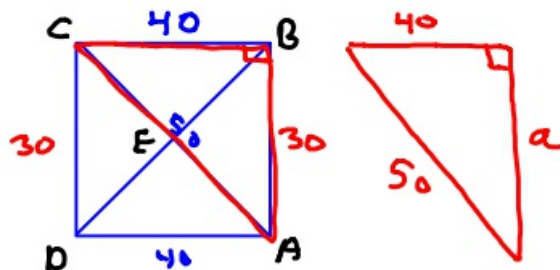
$$15^2 + 20^2 = c^2$$

$$225 + 400 = c^2$$

$$\sqrt{625} = c$$

$$25 = c$$

- ③ ABCD is a rectangle
 $AC = 50$ and $BC = 40$. What
 is DC ?



$$a^2 + 40^2 = 50^2$$

$$a^2 + 1600 = 2500$$

$$\underline{-1600 \quad -1600}$$

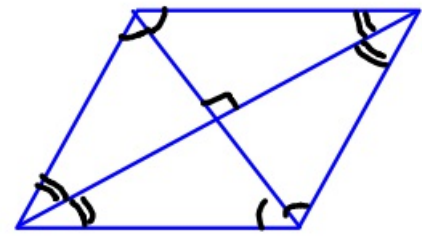
$$a^2 = 900$$

$$a = 30$$

11-19-18 6th Geo

Rhombus

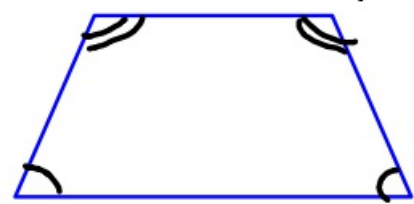
- ① All rules of parallelogram apply.
- ② Diagonals are \perp
- ③ Diagonals bisect the angles.



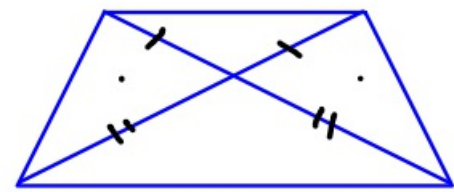
Main concept of a rectangle

- ① Diagonals are $=$.

Isosceles Trapezoid

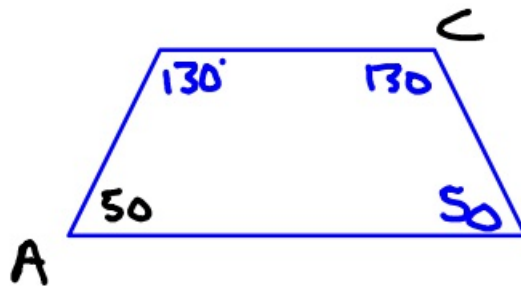


- ① Base angles are $=$.

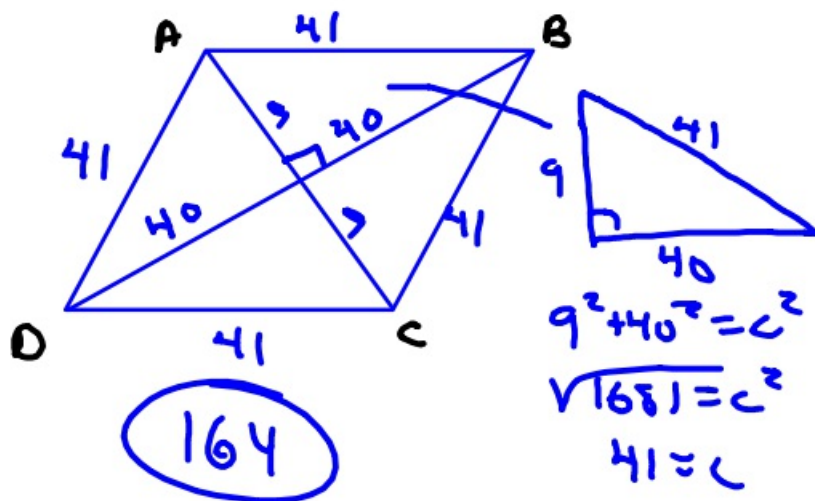


- ② Diagonals are $=$.

- ① In isosceles trapezoid ABCD, $\angle A = 50^\circ$. What is $\angle C$?



- ② ABCD is a rhombus. $AC = 18$ and $BD = 80$. What is perimeter?



- ③ ABCD is a rectangle. $AC = 50$ and $BC = 40$. Find DC.

