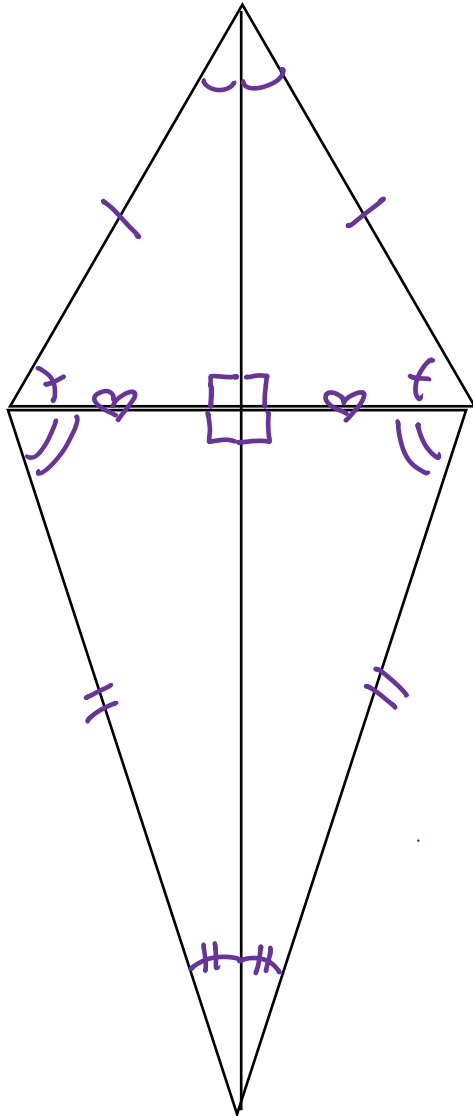


key

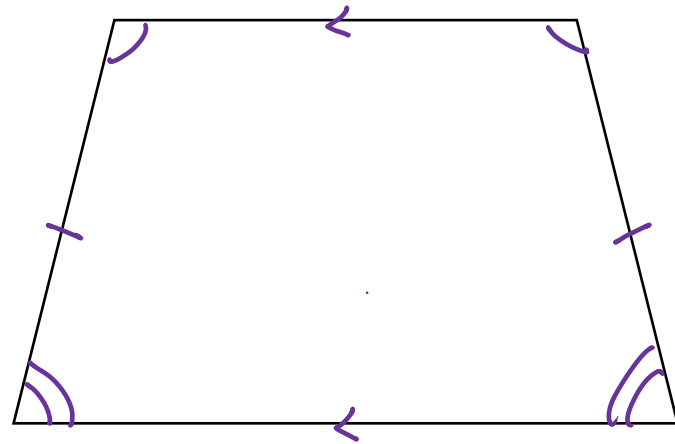
# KITE AND TRAPEZOID HOMEWORK

Mark the diagram with the properties of the figures.

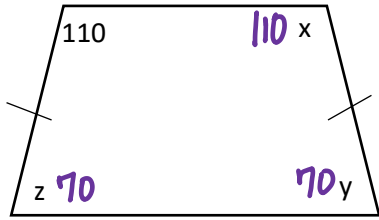
KITE



ISOSCELES TRAPEZOID

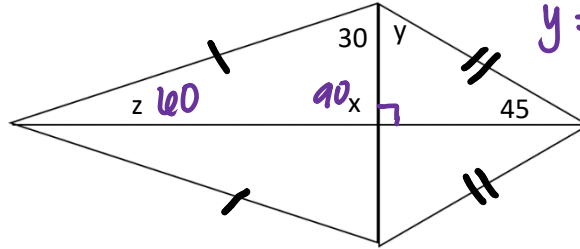


1. Isosceles Trapezoid  
Solve for x, y, and z.



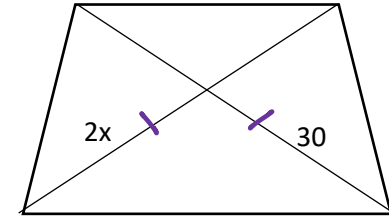
$$\begin{aligned} x &= 110 \\ y &= 70 \\ z &= 70 \end{aligned}$$

2. Kite  
Solve for x, y, and z.



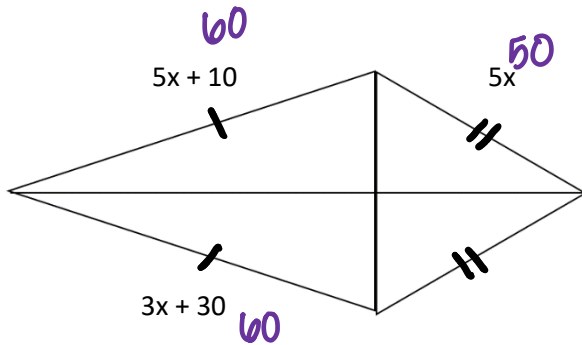
$$\begin{aligned} x &= 90 \\ z &= 60 \\ y &= 45 \end{aligned}$$

3. Isosceles Trapezoid  
Solve for x.



$$\begin{aligned} 2x &= 30 \\ x &= 15 \end{aligned}$$

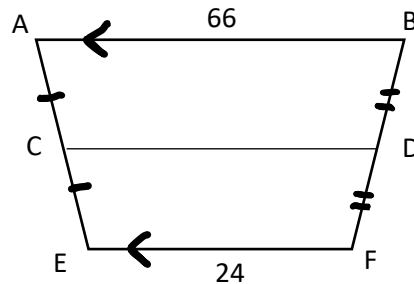
4. Find the perimeter of the kite.



$$\begin{aligned} 5x + 10 &= 3x + 30 \\ 2x &= 20 \\ x &= 10 \end{aligned}$$

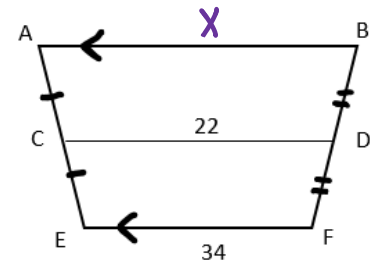
$$\text{Perimeter} = 60 + 60 + 50 + 50 = 220$$

5. Find the length of CD



$$\frac{66 + 24}{2} = 45$$

6. Find the length of AB



$$\begin{aligned} \frac{34 + x}{2} &= \frac{22}{1} \\ 34 + x &= 44 \\ x &= 10 \end{aligned}$$