

# Parallelograms

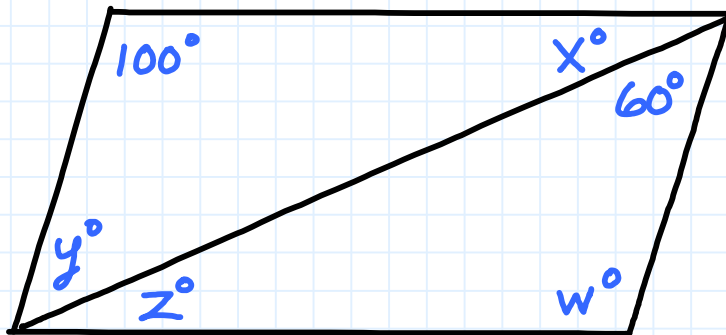
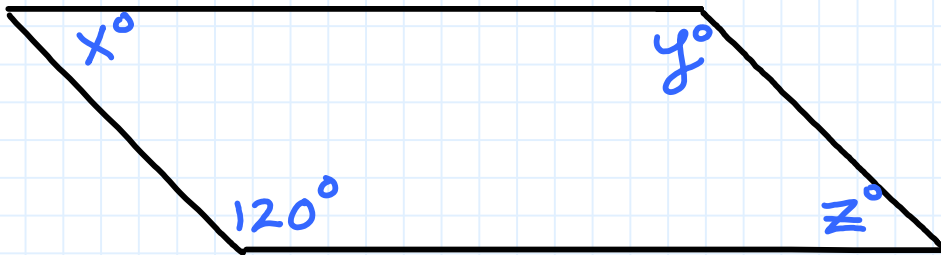


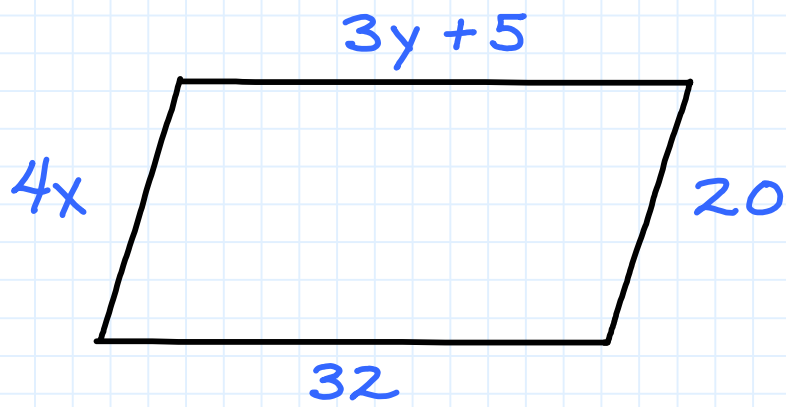
## Overview of problems



Example Set: A

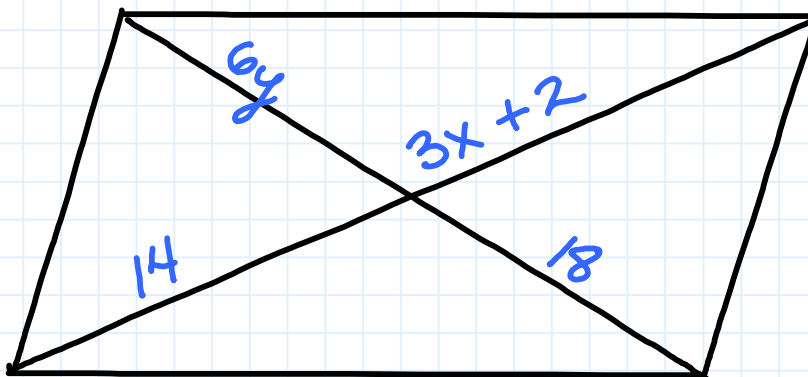
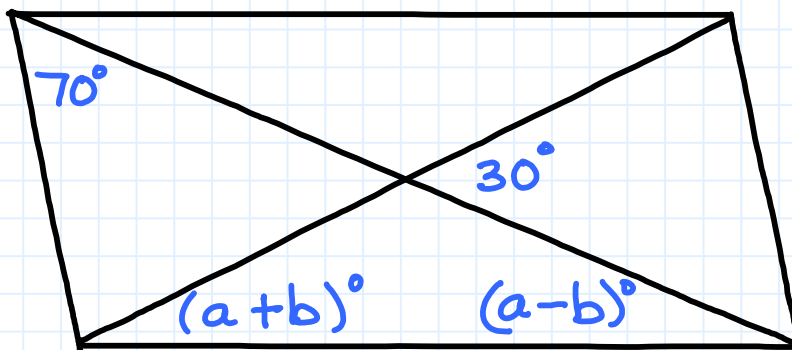
Find the values of the variables.  
Each of the given figures are parallelograms





Example Set: B

Find the values of the variables.  
Each of the given figures are parallelograms



# Parallelograms



## Overview of problems- KEY

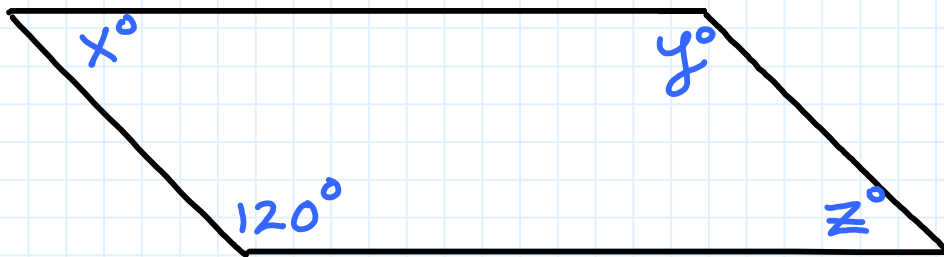


Example Set: A

Find the values of the variables.  
Each of the given figures are parallelograms

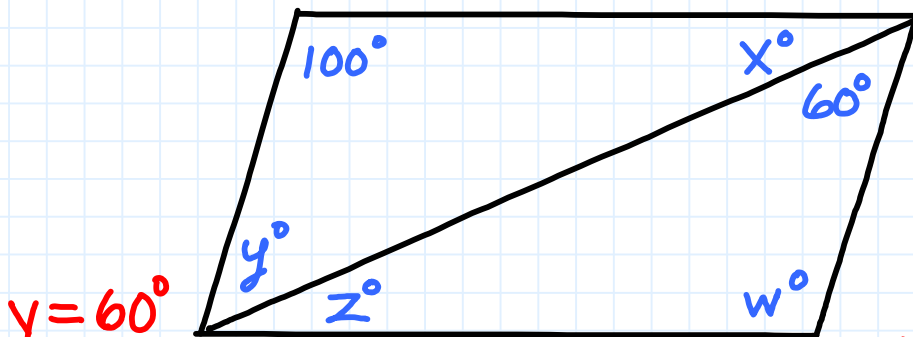
$$x = 60^\circ$$

$$z = 120^\circ$$



$$z = 60^\circ$$

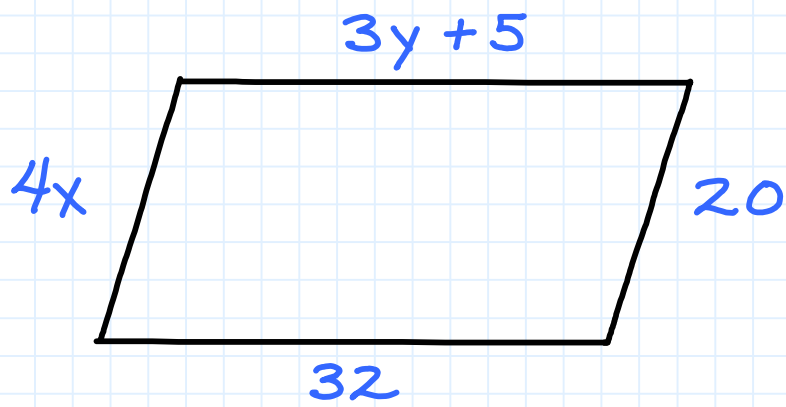
$$x = 20^\circ$$



$$y = 60^\circ$$

$$w = 100^\circ$$

$$z = 20^\circ$$



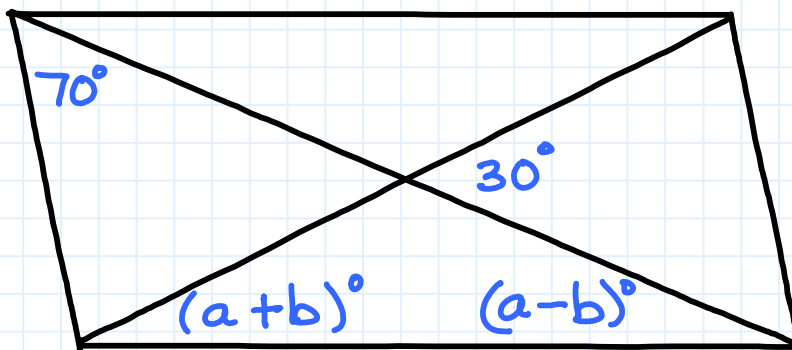
$$x = 5$$

$$y = 9$$



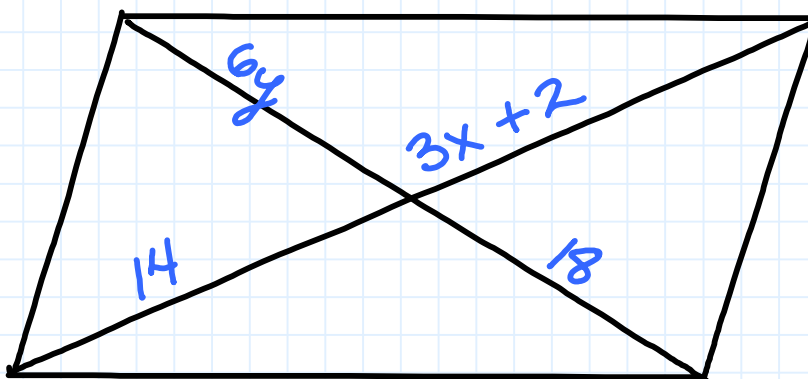
Example Set: B

Find the values of the variables.  
Each of the given figures are parallelograms



$$a = 15$$

$$b = 0$$



$$x = 4$$

$$y = 3$$