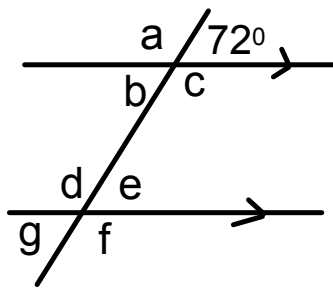


Page 3 Find the angles.



$$a = 108^\circ \text{ SAT}$$

$$b = 72^\circ \text{ OAT}$$

$$c = 108^\circ \text{ OAT}$$

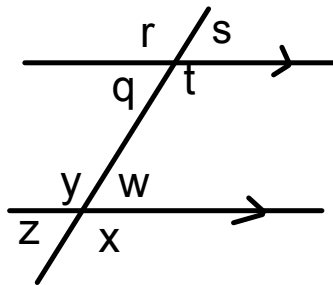
$$e = 72^\circ \text{ CA}$$

$$f = 108^\circ \text{ CA}$$

$$d = 108^\circ \text{ OAT}$$

$$g = 72^\circ \text{ OAT}$$

Write the pairs that are...



a) vertically opposite

$$\begin{aligned} \angle r &= \angle t & \angle y &= \angle x \\ \angle s &= \angle q & \angle z &= \angle w \end{aligned}$$

b) corresponding

$$\begin{aligned} \angle x &= \angle t & \angle z &= \angle q \\ \angle w &= \angle s & \angle y &= \angle r \end{aligned}$$

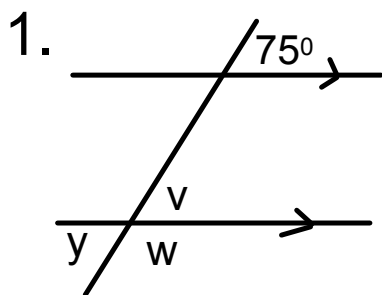
c) alternate

$$\begin{aligned} \angle t &= \angle y \\ \angle q &= \angle w \end{aligned}$$

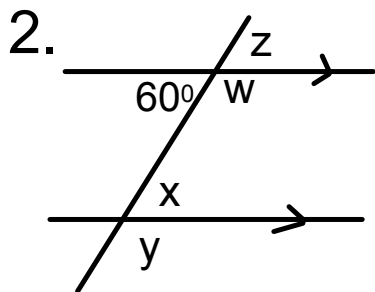
d) co-interior angles

$$\begin{aligned} \angle t + \angle w &= 180^\circ \\ \angle q + \angle y &= 180^\circ \end{aligned}$$

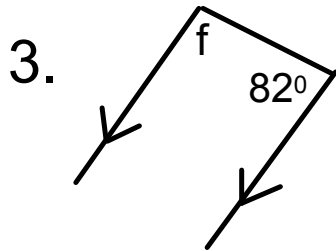
Find the size of each lettered angle.



$v = 75^\circ$  CA  
 $y = 75^\circ$  OAT  
 $w = 105^\circ$  SAT



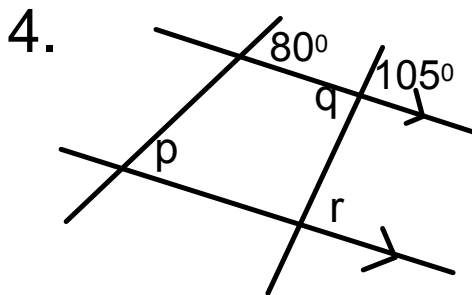
$z = 60^\circ$  OAT  
 $w = 120^\circ$  SAT  
 $x = 60^\circ$  CA  
 $y = 120^\circ$  CA



$$f = 180 - 82$$

$$= 98^\circ$$

CIA



$$q = 105^\circ$$

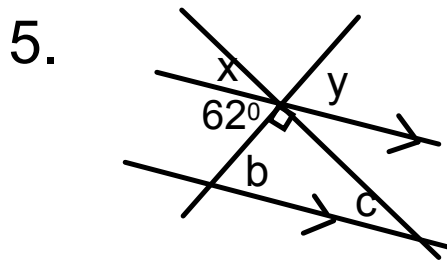
OAT

$$r = 105^\circ$$

AIA

$$p = 80^\circ$$

CA



$$y = 62^\circ$$

OAT

$$b = 62^\circ$$

AIA

$$c = 28^\circ$$

SAT

$$x = 180 - 90 - 62$$

$$= 28^\circ$$

SAT

Homework...

Worksheet using parallel lines