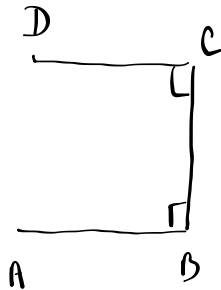


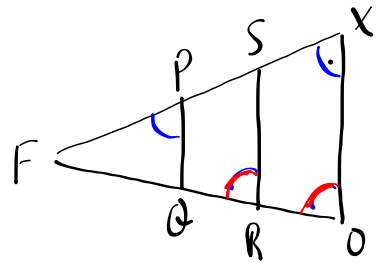
P79

8.



AB is NOT  $\perp$  to CD  
 AB is parallel to CD  
 (supplementary same side interior angles)  
 $\angle B + \angle C = 180^\circ$

12. Given:  $\triangle FOX$  is isosceles  
 $\angle FOX = \angle FRS$   
 $\angle FXO = \angle FPQ$

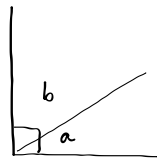


Prove:  $PQ \parallel SR$  and  $SR \parallel XO$

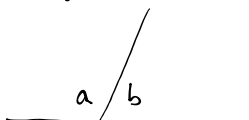
Statement	justification
$\angle FOX = \angle FRS$	given
$\checkmark$ $SR \parallel XO$	Corresponding angles
$\angle FXO = \angle FPQ$	given
$PQ \parallel XO$	corresponding angles.
$\checkmark$ $SR \parallel PQ$	transitive property.

Review of Angles

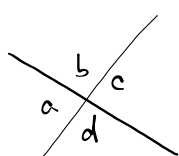
Right angle  $(a + b = 90^\circ)$   
(complementary)



Straight Angle  $(a + b = 180^\circ)$   
(Supplementary)



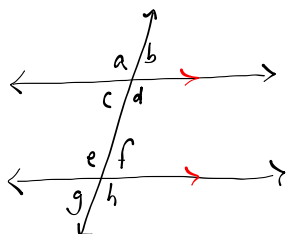
Vertically opposite angles



$$a = c$$

$$b = d$$

Corresponding angles



$$a = e$$

$$b = f$$

$$c = g$$

$$d = h$$

alternate interior angles  $c = f$  and  $d = e$

alternate exterior angles  $a = h$  and  $b = g$

Same-side interior angles  $c + e = 180^\circ$   $d + f = 180^\circ$

Same-side exterior angles  $a + g = 180^\circ$   $b + h = 180^\circ$

TO DO

① p81 | 15, 16, 18, 19, 20

② Read over p84

③ p85 | all