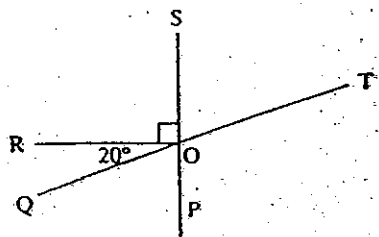


Name:

- a) 3 acute \angle s $\angle DFE, \angle BFC, \angle AFB$ 2.
- b) 3 obtuse \angle s $\angle DFC, \angle EFB, \angle AFD$
- c) 2 right \angle s $\angle EFA, \angle AFC$
- d) 2 straight \angle s $\angle EFC, \angle DFB$
- e) an \angle of 30° $\angle BFC, \angle EFD$
- f) an \angle of 150° $\angle DFC, \angle EFB$
- g) an \angle of 120° $\angle DFA$

2.

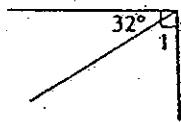


Name:

- a) an \angle complementary to $\angle POQ$ $\angle ROQ$
- b) an \angle supplementary to $\angle QOR$ $\angle TOR$
- c) an \angle supplementary to $\angle SOT$ $\angle QOS$
- d) an \angle supplementary to $\angle ROS$ $\angle POR$

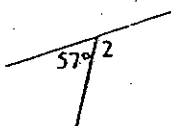
4. Find the measure of each required angle.

a)



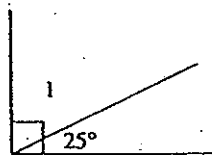
$\angle 1 = 58^\circ$

b)



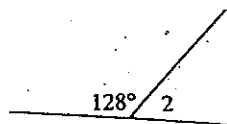
$\angle 2 = 123^\circ$

1.



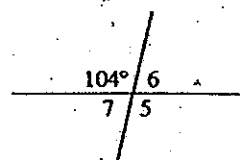
$\angle 1 = 65^\circ$

2.



$\angle 2 = 52^\circ$

*

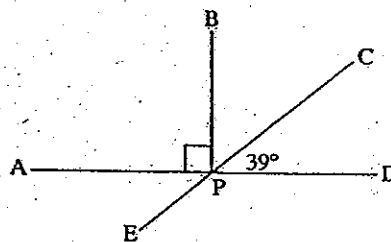


$\angle 5 = 104^\circ$

$\angle 6 = 76^\circ$

$\angle 7 = 76^\circ$

6.

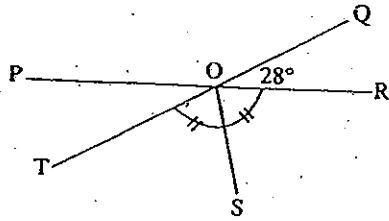


$\angle BPD = 90^\circ$

$\angle BPC = 51^\circ$

KEY

7.



$\angle POT = 28^\circ$

$\angle POQ = 152^\circ$

$\angle ROT = 152^\circ$

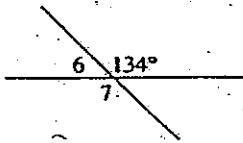
$\angle ROS = 76^\circ$

c)



$\angle 3 = 60^\circ$

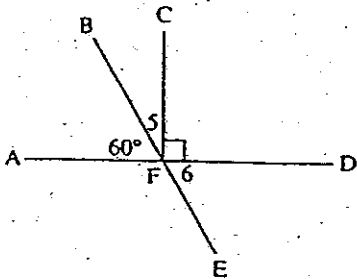
d)



$\angle 6 = 46^\circ$

$\angle 7 = 134^\circ$

i)



$\angle 5 = 30^\circ$

$\angle 6 = 60^\circ$

$\angle BFD = 120^\circ$

5. True or false?

a) ~~Vertically opposite angles can be right angles.~~

b) Two acute angles can be complementary.

c) Two obtuse angles can be supplementary.

d) Two congruent angles can be complementary.

TRUE

FALSE

TRUE

(45° and 45°)