

Lines (Geometry) Practice Test Question Answers

SET-1

1. If two lines are intersected by a transversal, then the number of pairs of interior angles on the same side of the transversal is

A. 0

B. 1

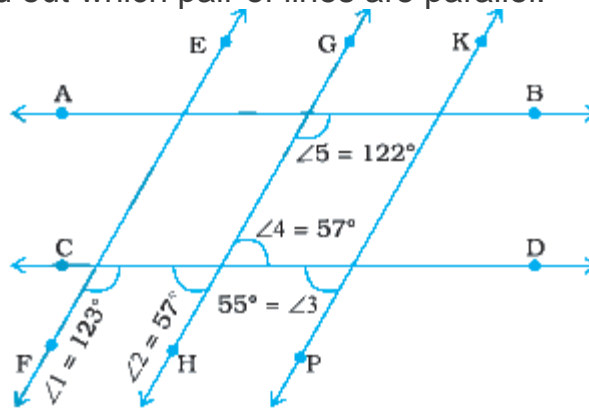
C. 2

D. 3

E. 4

Answers

2. In the given figure, find out which pair of lines are parallel.



A. $GH \parallel KP$

B. $EF \parallel KP$

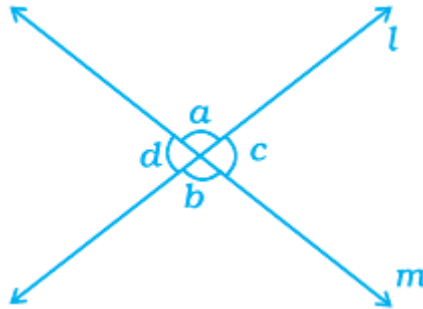
C. $AB \parallel CD$

D. $EF \parallel GH$.

E. NOTA

Answers

3. In the following lines, l and m intersect each other at a point. Which of the following is false?



A. $\angle a = \angle b$

B. $\angle d = \angle c$

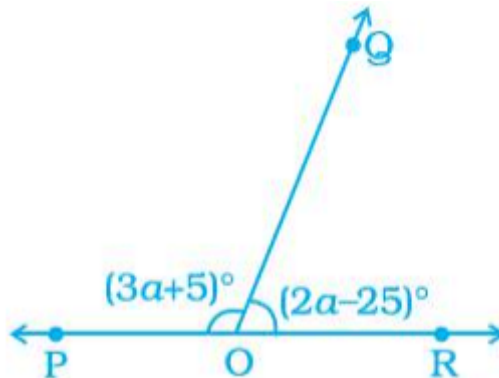
C. $\angle a + \angle d = 180^\circ$

D. $\angle a = \angle d$

E. NOTA

Answers

4. In the following figure POR is a line. The value of a is



A. 20°

B. 40°

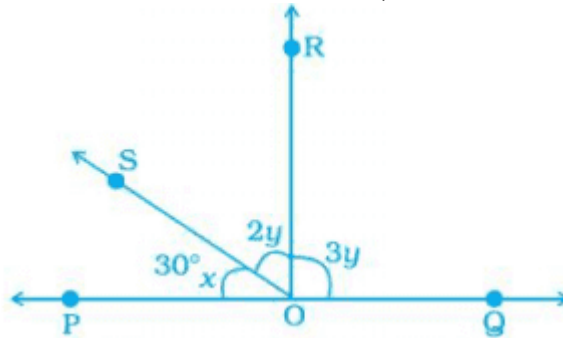
C. 60°

D. 80°

E. 120°

Answers

5. In the following figure POQ is a line. If $x = 30^\circ$, then $\angle QOR$ is



A. 30°

B. 60°

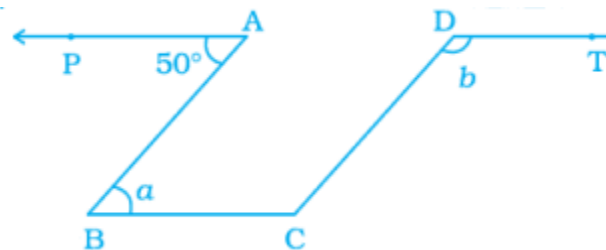
C. 80°

D. 90°

E. 110°

Answers

6. In the following figure, $PA \parallel BC \parallel DT$ and $AB \parallel DC$. Then, the values of a and b are respectively.



A. $50^\circ, 130^\circ$

B. $30^\circ, 120^\circ$

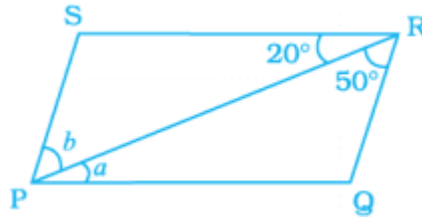
C. $40^\circ, 90^\circ$

D. $10^\circ, 110^\circ$

E. $30^\circ, 90^\circ$

Answers

7. In the following figure, $PQ \parallel SR$ and $SP \parallel RQ$. Then, angles a and b are respectively



A.

B.

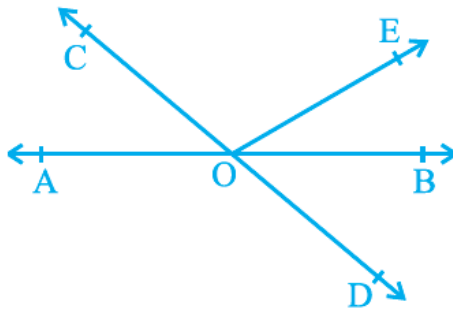
C.

D.

E.

Answers

8. In the following figure, lines AB and CD intersect at O . If $\angle AOC + \angle BOE = 70^\circ$ and $\angle BOD = 40^\circ$, find $\angle BOE$



A. 30°

B. 40°

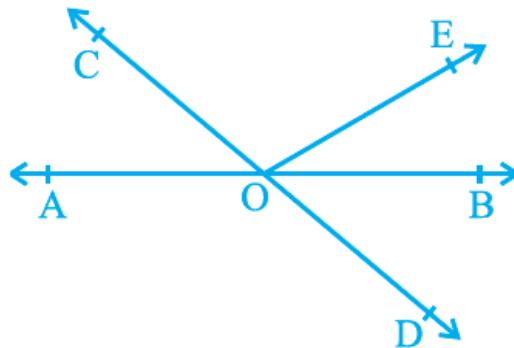
C. 50°

D. 60°

E. 70°

Answers

9. In the following figure, lines AB and CD intersect at O. If $\angle AOC + \angle BOE = 70^\circ$ and $\angle BOD = 40^\circ$, find $\angle COE$



A. 60°

B. 90°

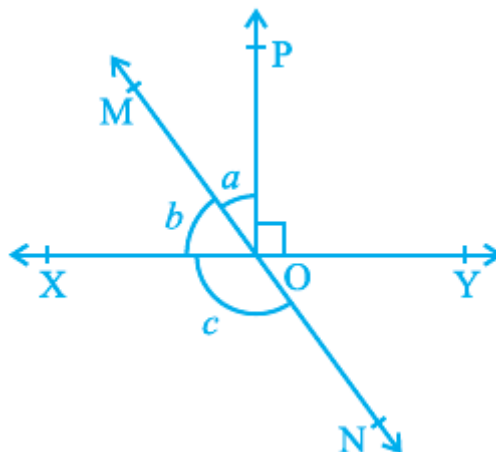
C. 150°

D. 160°

E. 250°

Answers

10. In the following figure, lines XY and MN intersect at O. If $\angle POY = 90^\circ$ and $a : b = 2 : 3$, find c.



A. 62°

B. 96°

C. 126°

D. 176°

E. 216°



Answers