LINES AND ANGLES

1.The measure of an angle is 26° less than its complementary angle then the value of that angle is?

A) 26° B) 64° C) 32° D) 48°

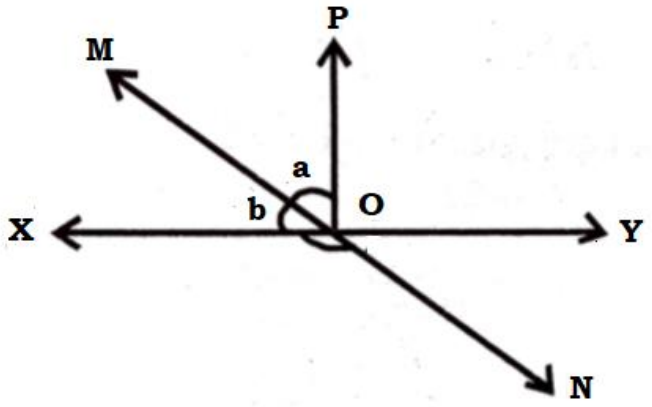
2.The measure of the supplementary of an angles is 5° more than the 4 times of original angle. Then find the complementary of that angle.

A) 35° B) 45° C) 65° D) 55°

3.If (2x + 17)° and (x + 4)° are complementary angles then x = ?

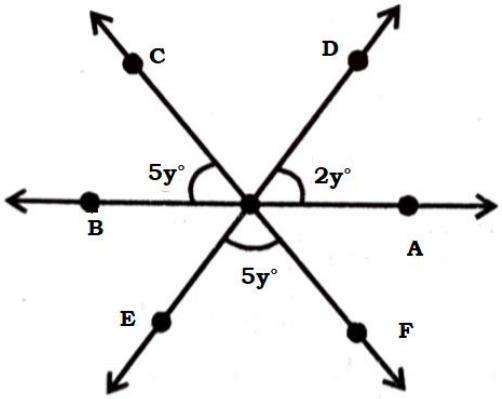
A) 23° B) 53° C) 33° D) 43°

4.In the given figure XY and MN intersect at O. If POY = 90° and a:b = 2:3 then $\angle XON = ?$



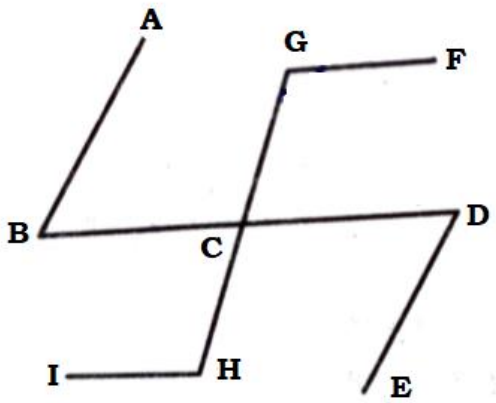
A) 113° B) 54° C) 126° D) 48°

5.Determine the value of y



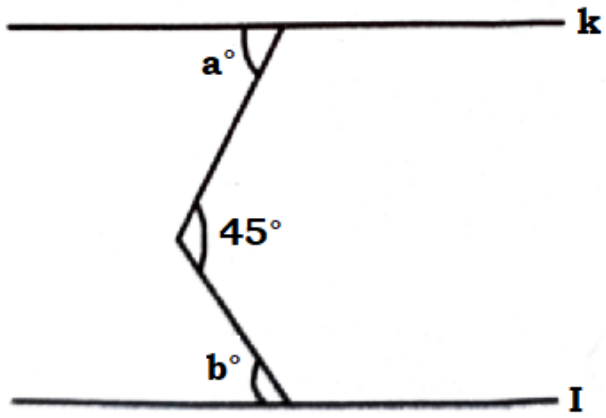
A) 17° B) 15° C) 20° D) 25°

6. In the given diagram AB || GH || DE and GF || BD || HI, $\angle FGC = 80°$. Find the value of $\angle CHI$



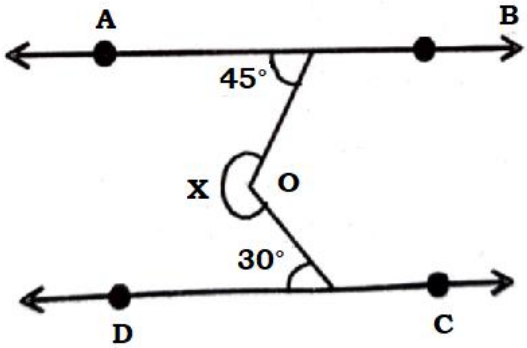
A) 80° **B) 120°** **C) 100°** **D) 160°**

7.In the figure below, lines K and L are parallel. The value of a° + b° is



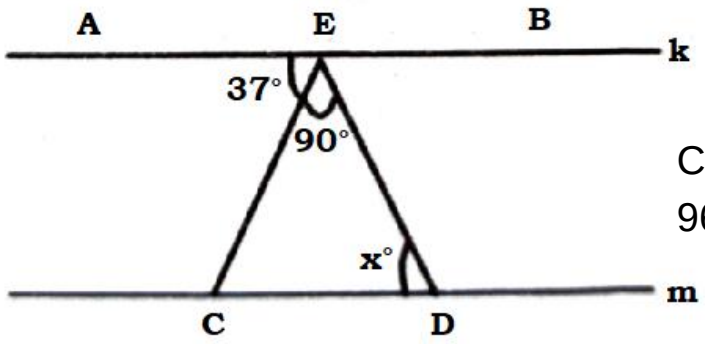
A) 45° **B) 180°** **C) 180°** **D) 360°**

8.In the given figure, AB || CD, then X is equal to



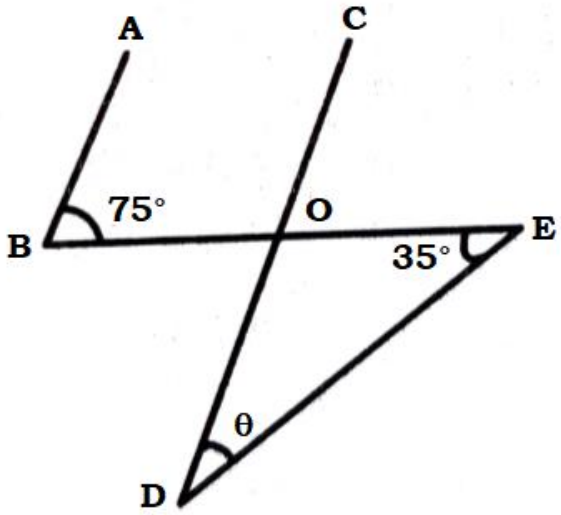
A) 290° **B) 300°** **C) 280°** **D) 285°**

9.In the figure below, if AB || CD and $CE \perp ED$, then the value of x is



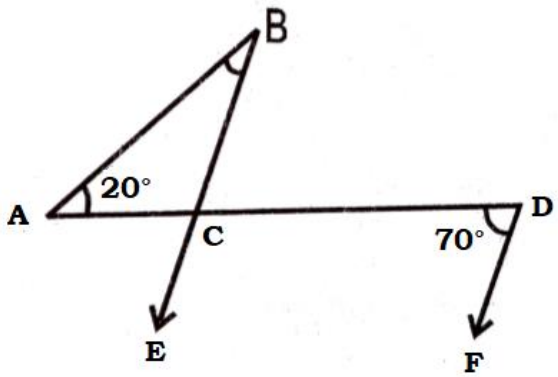
A) 53° **B) 63°** **C) 37°** **D) 45°**

10.In the figure, AB || CD. Find θ



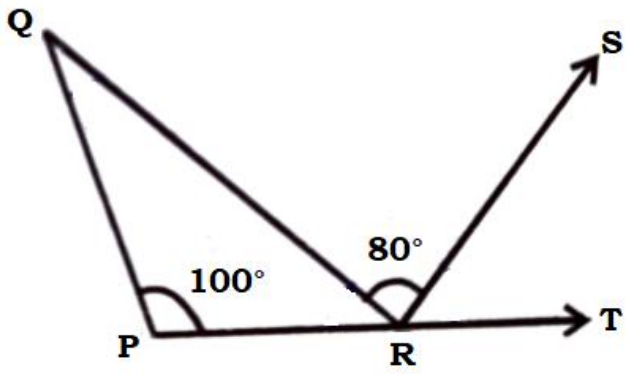
A) 30° **B) 35°** **C) 40°** **D) 45°**

11.From the given figure, find ∠ABC, if BE || DF



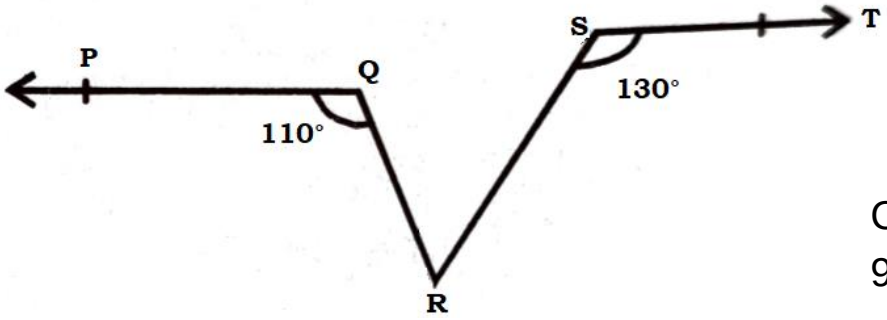
A) 50° **B) 40°** **C) 35°** **D) None of these**

12. In the figure $\angle PRQ = \angle SRT$. If $\angle QPR = 100°$ and $\angle QRS = 80°$, find $\angle PQR$



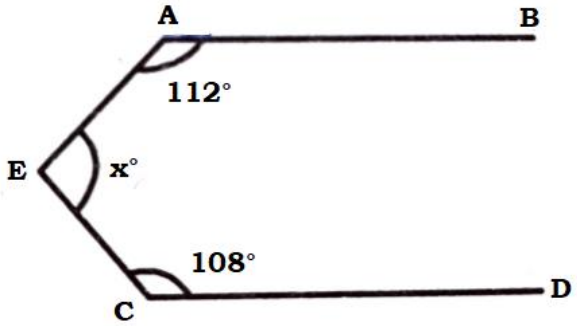
A) 20° B) 30° C) 40° D) 60°

13.In the figure, if PQ || ST, $\angle PQR = 110°$ and $\angle RST = 130°$, find $\angle QRS$.



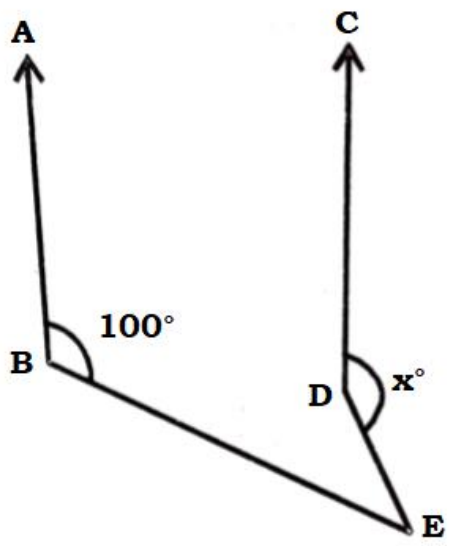
A) 40° B) 50° C) 60° D) 70°

14. In the figure, AB || CD, the value of x is



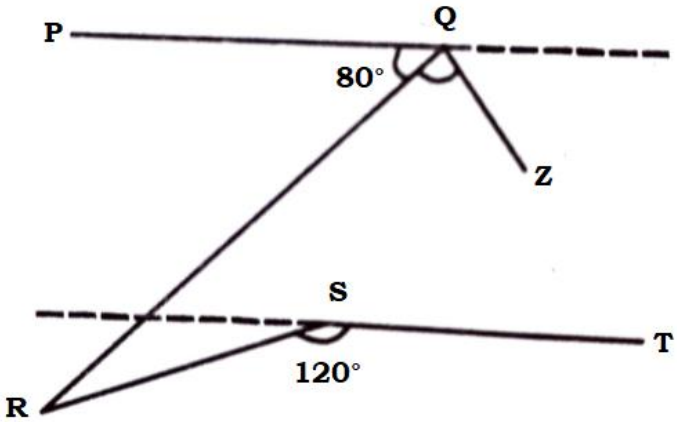
A) 220° B) 140° C) 150 D) None of these

15. The given figure AB || CD, $\angle ABE = 100°$, $\angle BED = 25°$. Find $\angle CDE$



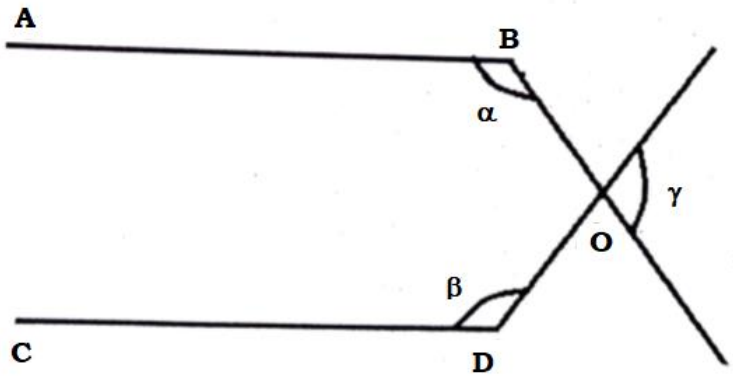
A) 125° B) 55° C) 65° D) 75°

16.From the following figure, find $\angle RQZ$, if $\angle RQZ = 2\ \angle QRS$ and PQ || ST



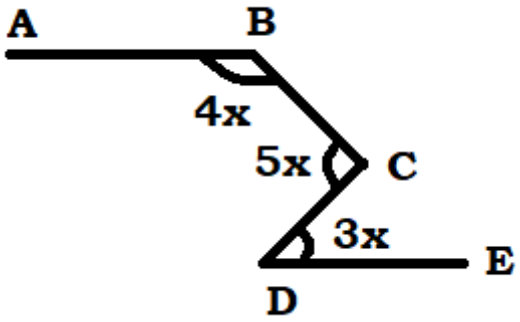
A) 20° B) 30° C) 40° D) 60°

17.If AB || CD then find the value of $\alpha + \beta + \gamma$?



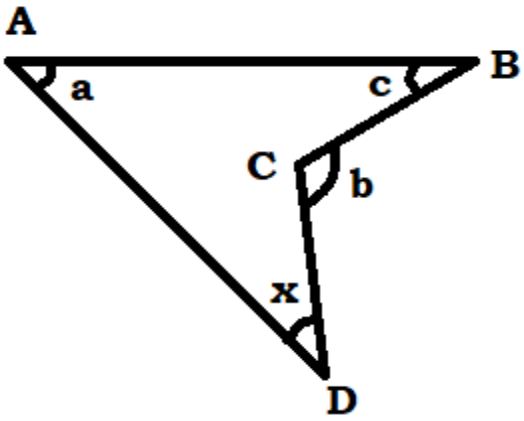
A) 180° B) 270° C) 360° D) 240°

18.In the shown figure AB || DE find supplementary angle of x.



A) 120° B) 150° C) 140° D) 125°

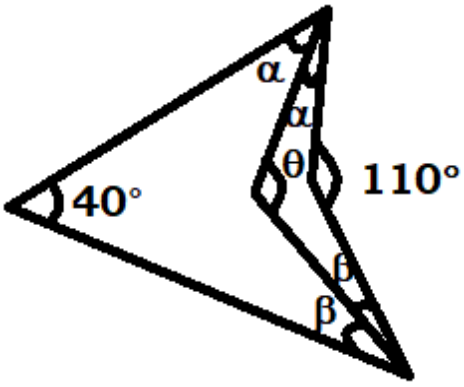
19. What is the value of x in the figure given below?



A) $b - a - c$ B) $b - a + c$

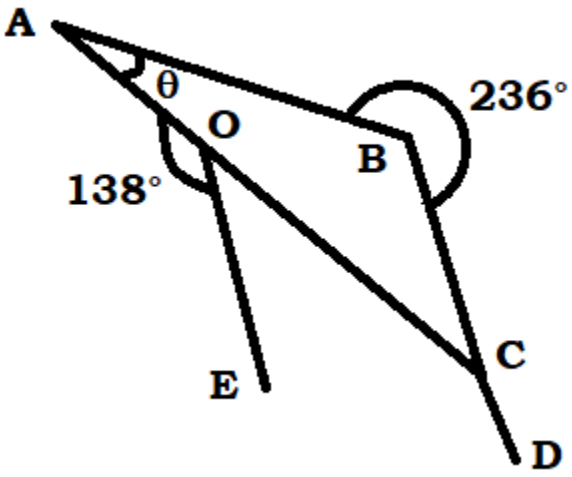
C) $b + a - c$ D) $\pi(a + b - c)$

20.Find the value of θ?



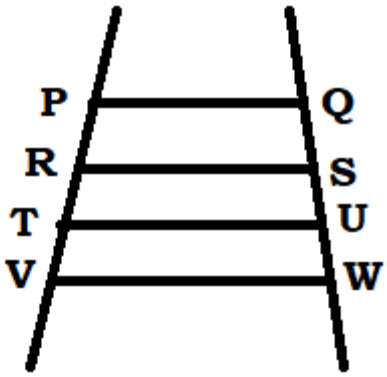
A) 60° B) 70° C) 75° D) CND

21.In the shown figure OE || BD, find the value θ?



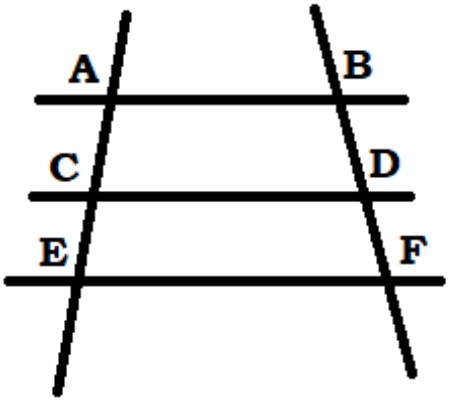
A) 19° B) 12° C) 14° D) 15°

22.In the figure given below PQ || RS || TU || VW, PR = 20cm, RT = 44cm, TV = 32cm, QW = 84 cm then find QS ?



A) 15cm B) 17.5cm C) 22.5cm D) 12.5cm

23.In the given figure below AB || CD || EF, if AB = 29cm, EF = 57 cm, AC = 3/4 CE and BD is xcm less than DF then find CD = ?



A) 41cm B) 43cm C) 45cm D) 40.5cm