



Chandan Logics

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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°

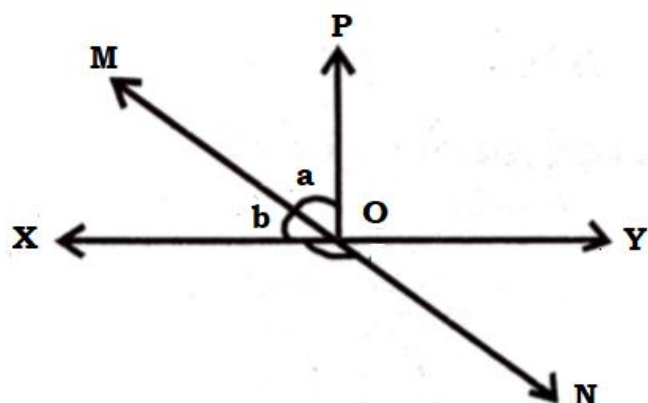
2. The measure of the supplementary of an angle is 5° more than the 4 times of original angle. Then find the complementary of that angle.

- A) 35° B) 45° C) 65° D) 55°

3. If $(2x + 17)^\circ$ and $(x + 4)^\circ$ 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 $\angle POY = 90^\circ$ and $a:b = 2:3$ then $\angle XON = ?$

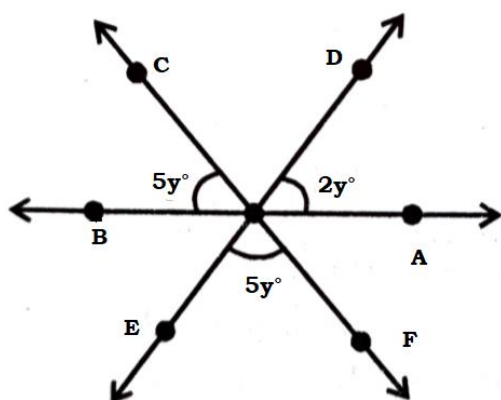


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- A) 113° B) 54° C) 126° D) 48°

5. Determine the value of y



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- A) 17° B) 15° C) 20° D) 25°

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

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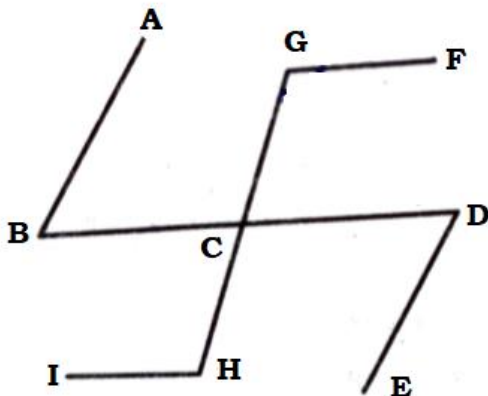
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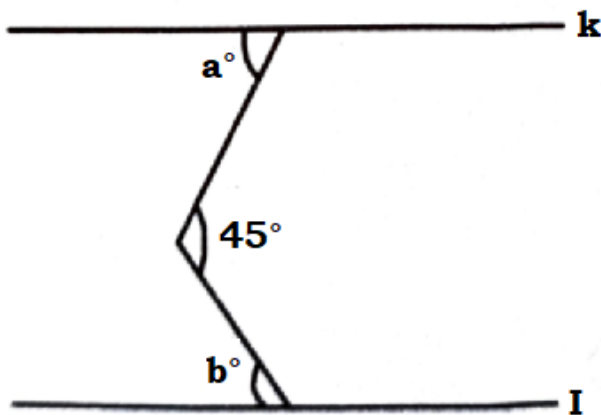


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- A) 80° B) 120° C) 100° D) 160°

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

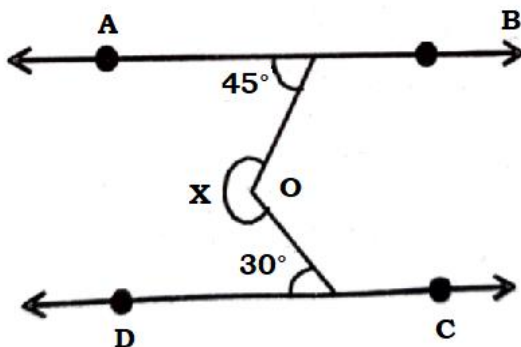


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- A) 45° B) 180° C) 180° D) 360°

8. In the given figure, $AB \parallel CD$, then X is equal to



- A) 290° B) 300° C) 280° D) 285°

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

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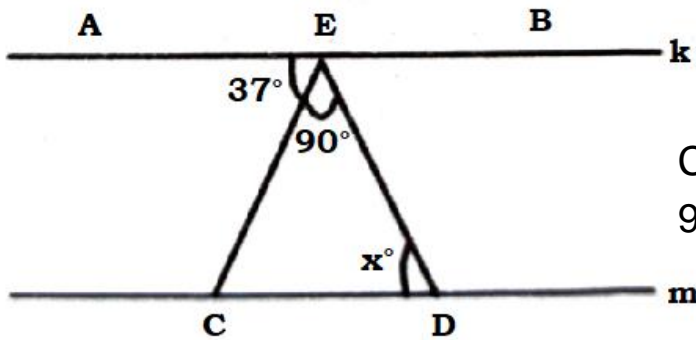
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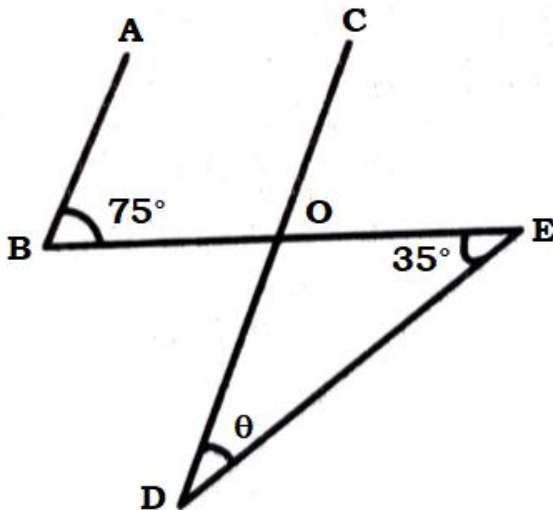


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- A) 53° B) 63° C) 37° D) 45°

10. In the figure, $AB \parallel CD$. Find θ

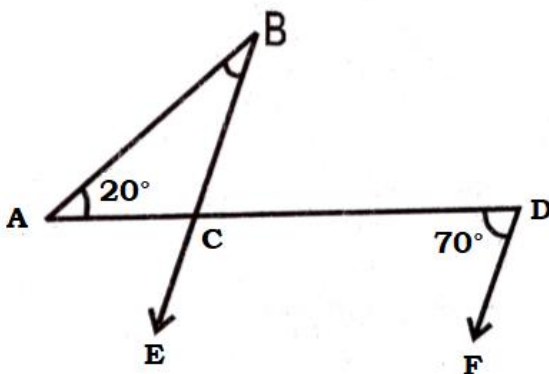


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- A) 30° B) 35° C) 40° D) 45°

11. From the given figure, find $\angle ABC$, if $BE \parallel DF$



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

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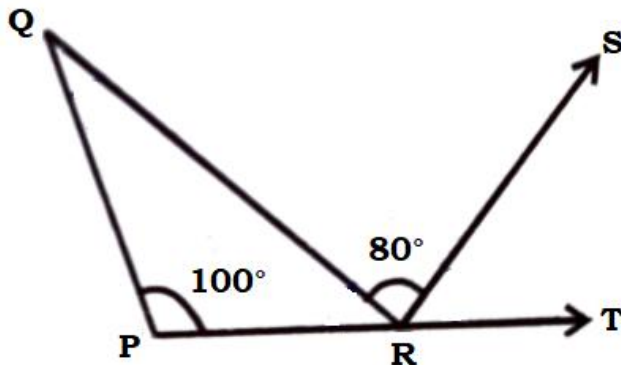
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12. In the figure $\angle PRQ = \angle SRT$. If $\angle QPR = 100^\circ$ and $\angle QRS = 80^\circ$, find $\angle PQR$

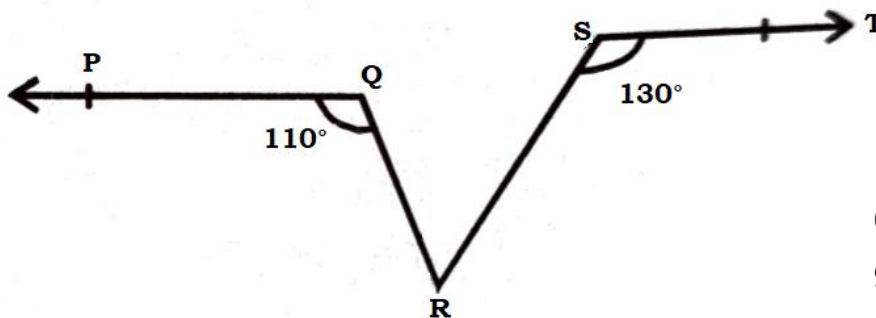


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- A) 20° B) 30° C) 40° D) 60°

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

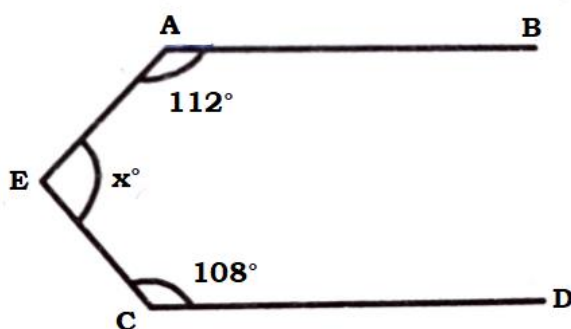


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- A) 40° B) 50° C) 60° D) 70°

14. In the figure, $AB \parallel CD$, the value of x is



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

15. The given figure $AB \parallel CD$, $\angle ABE = 100^\circ$, $\angle BED = 25^\circ$. Find $\angle CDE$

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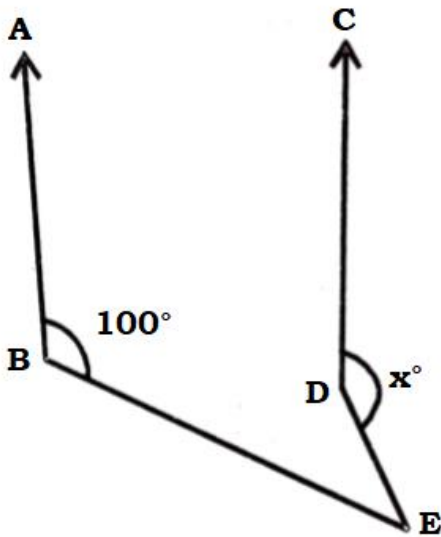
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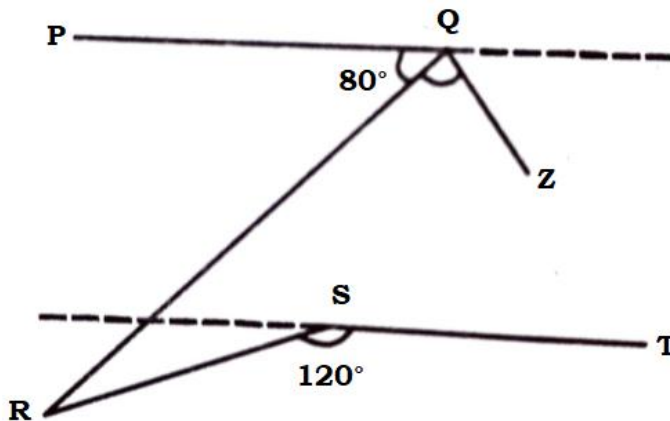


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- A) 125° B) 55° C) 65° D) 75°

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

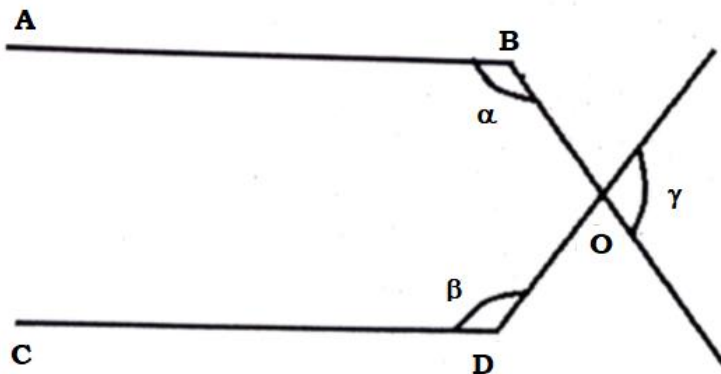


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- A) 20° B) 30° C) 40° D) 60°

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



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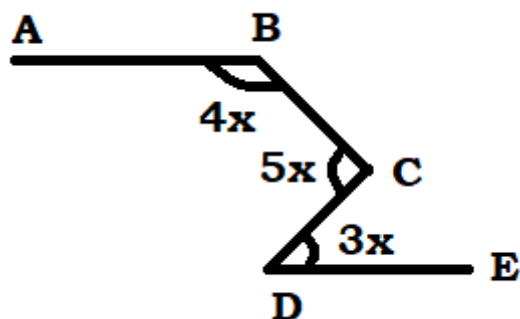
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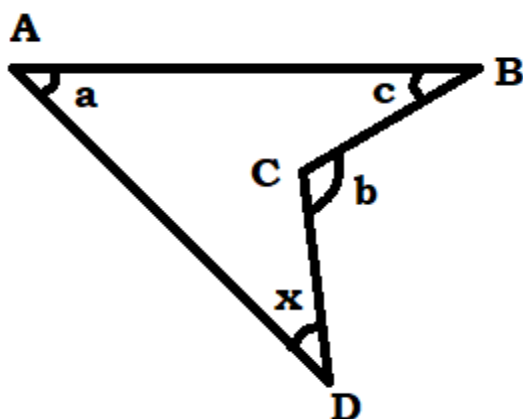
- A) 180° B) 270° C) 360° D) 240°
 18. In the shown figure $AB \parallel DE$ find supplementary angle of x .



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- A) 120° B) 150° C) 140° D) 125°
 19. What is the value of x in the figure given below?

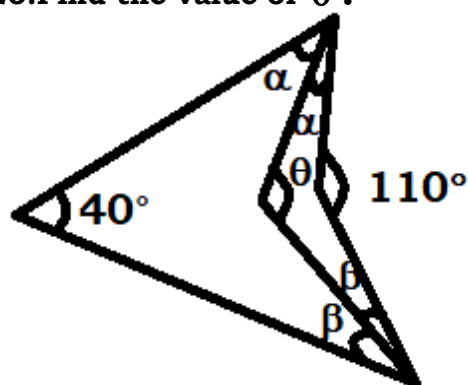


- A) $b - a - c$ B) $b - a + c$
 C) $b + a - c$ D) $\pi(a + b - c)$

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20. Find the value of θ ?



- A) 60° B) 70° C) 75° D) CND

21. In the shown figure $OE \parallel BD$, find the value θ ?

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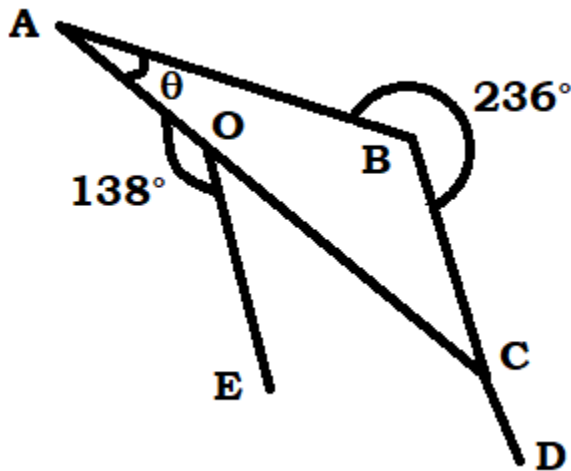
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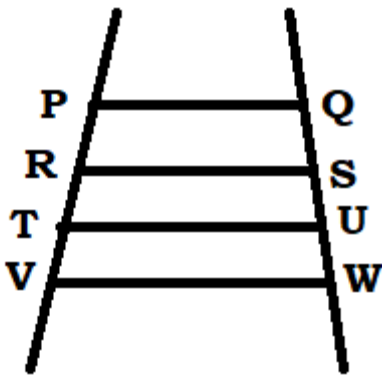
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- A) 19° B) 12° C) 14° D) 15°

22. In the figure given below $PQ \parallel RS \parallel TU \parallel VW$, $PR = 20\text{cm}$, $RT = 44\text{cm}$, $TV = 32\text{cm}$, $QW = 84\text{cm}$ then find QS ?

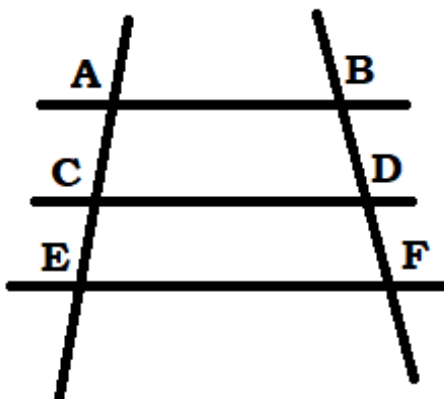


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- A) 15cm B) 17.5cm C) 22.5cm D) 12.5cm

23. In the given figure below $AB \parallel CD \parallel EF$, if $AB = 29\text{cm}$, $EF = 57\text{cm}$, $AC = \frac{3}{4} CE$ and BD is $x\text{cm}$ less than DF then find $CD = ?$



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

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