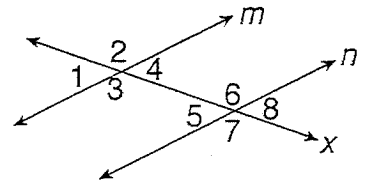


Additional Practice

1. Measure the angles formed by the transversal and the parallel lines. Which angles seem to be congruent?



In the figure, line $m \parallel$ line n . Find the measure of each angle. Justify your answer.

2. $\angle 1$

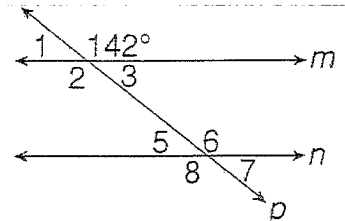
3. $\angle 2$

4. $\angle 5$

5. $\angle 6$

6. $\angle 8$

7. $\angle 7$



In the figure, line $a \parallel$ line b . Find the measure of each angle. Justify your answer.

8. $\angle 2$

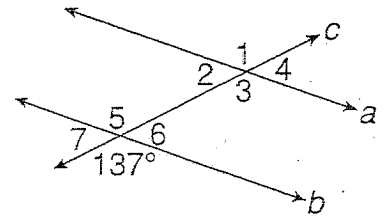
9. $\angle 5$

10. $\angle 6$

11. $\angle 7$

12. $\angle 4$

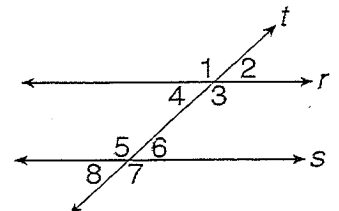
13. $\angle 3$



In the figure, line $r \parallel$ line s .

14. Name all angles congruent to $\angle 2$.

15. Which line is the transversal?



Problem Solving

The figure shows the layout of parking spaces in a parking lot.

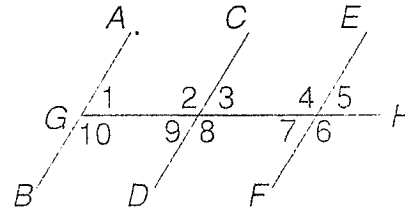
$$\overline{AB} \parallel \overline{CD} \parallel \overline{EF}$$

- Name all angles congruent to $\angle 1$.

- Name all angles congruent to $\angle 2$.

- Name a pair of supplementary angles.

- If $m\angle 1 = 75^\circ$, find the measures of the other angles.

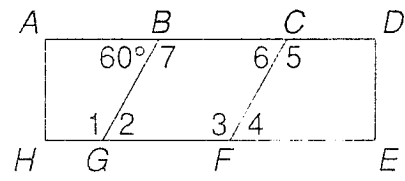


- Name a pair of vertical angles.

- If $m\angle 1 = 90^\circ$, then \overline{GH} is perpendicular to

The figure shows a board that will be cut along parallel segments GB and CF . $\overline{AD} \parallel \overline{HE}$. Choose the letter for the best answer.

- Find the measure of $\angle 1$.
A 45° C 60°
B 120° D 90°
- Find the measure of $\angle 2$.
F 30° H 60°
G 120° J 90°
- Find the measure of $\angle 4$.
F 45° H 60°
G 120° J 90°
- Find the measure of $\angle 6$.
F 30° H 60°
G 120° J 90°



- Find the measure of $\angle 3$.
A 30° C 60°
B 120° D 90°
- Find the measure of $\angle 5$.
A 30° C 60°
B 120° D 90°
- Find the measure of $\angle 7$.
A 45° C 60°
B 120° D 90°

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