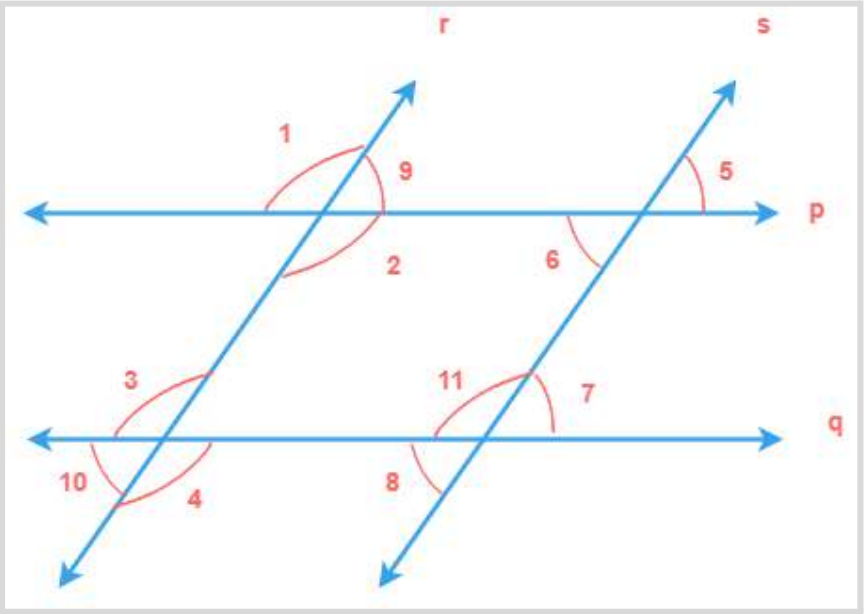
Lines and Angles

Multiple choice questions

By observing the figure below, where p || q and r || s, choose the correct option for the following questions.



1) Which pair of lines are parallel?
   a) p and q
   b) p and r
   c) q and r
   d) q and s

2) Which pair of angles do form vertically opposite angles?
   a) ∠3 and ∠7
   b) ∠5 and ∠7
   c) ∠1 and ∠2
   d) ∠1 and ∠3

3) Which pair of angles do form corresponding angles?
   a) ∠1 and ∠2
   b) ∠2 and ∠3
   c) ∠5 and ∠7
   d) ∠3 and ∠4

4) Which pair of angles do form alternate interior angles?
   a) $\angle 2$ and $\angle 11$
   b) $\angle 2$ and $\angle 4$
   c) $\angle 2$ and $\angle 3$
   d) $\angle 6$ and $\angle 11$

5) Which pair of angles does form a linear pair of angles?
   a) $\angle 1$ and $\angle 9$
   b) $\angle 1$ and $\angle 5$
   c) $\angle 6$ and $\angle 7$
   d) $\angle 3$ and $\angle 4$

6) Which pair of angles do form alternate exterior angles?
   a) $\angle 5$ and $\angle 11$
   b) $\angle 1$ and $\angle 2$
   c) $\angle 5$ and $\angle 8$
   d) $\angle 5$ and $\angle 7$

7) What is the sum of exterior angles $\angle 1$ and $\angle 10$?
   a) 360°
   b) 180°
   c) 270°
   d) 90°

8) What is the sum of interior angles $\angle 6$ and $\angle 11$?
   a) 90°
   b) 180°
   c) 270°
   d) 360°

9) What is the sum of of linear pair of angles $\angle 7$ and $\angle 11$?
   a) 270°
   b) 360°
   c) 90°
   d) 180°

10) When two lines intersect each other at point O, these two lines form
   a) corresponding angles
   b) vertically opposite angles
   c) alternate exterior angles
   d) alternate interior angles