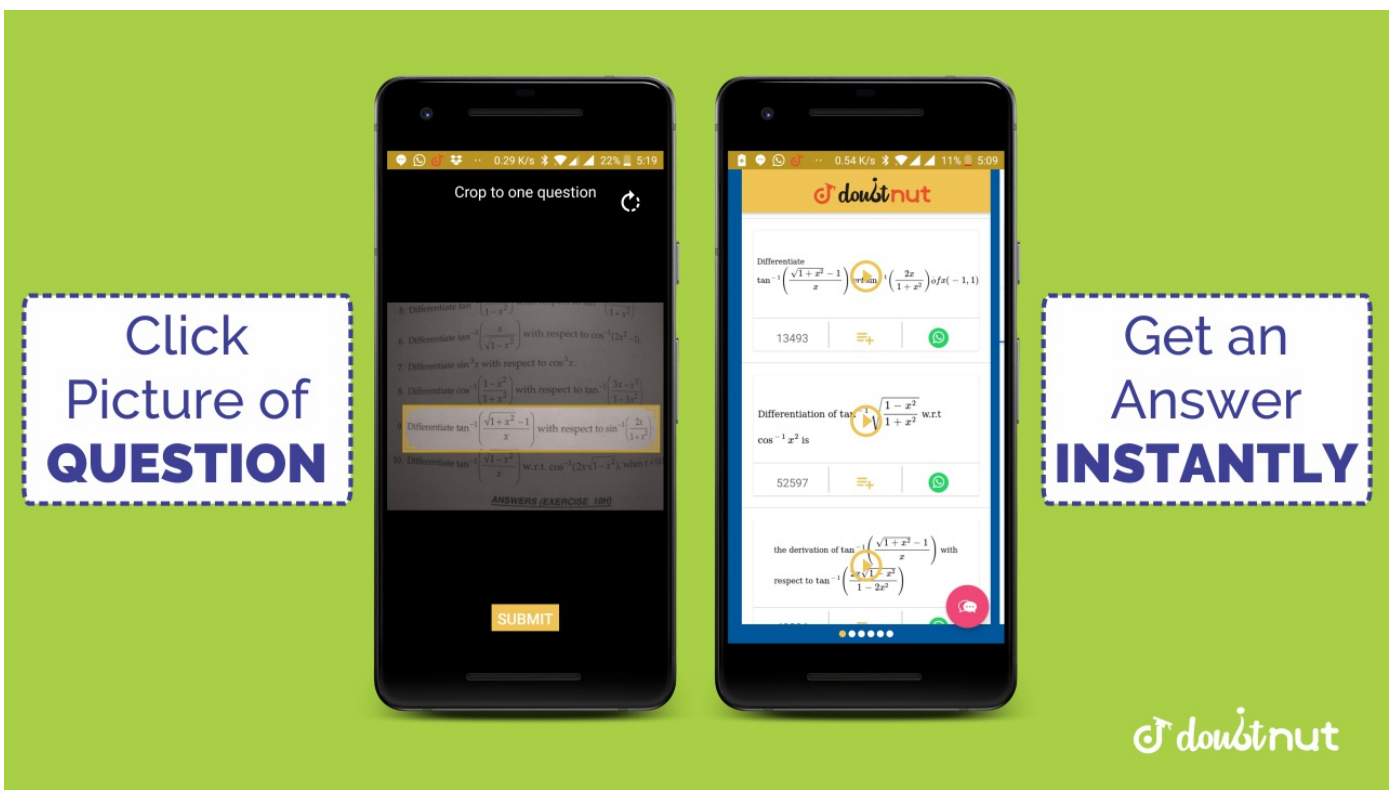
BOARDS CONCEPTS BOOSTER

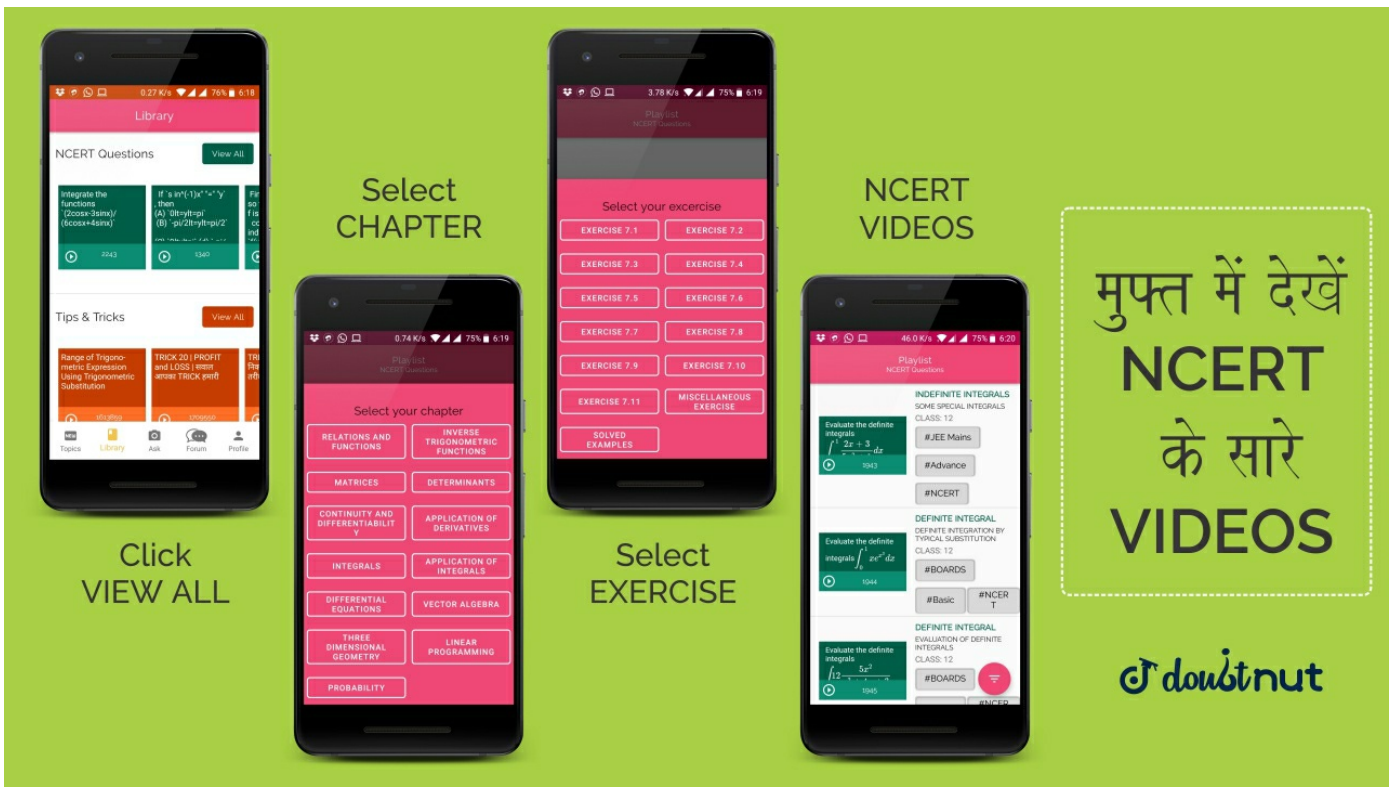
LINES AND ANGLES

Ques No.	Question
1	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **2. PAIRS OF ANGLES** 1. ADJACENT ANGLES Click to LEARN this concept/topic on Doubtnut
2	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **2. PAIRS OF ANGLES** 5. LINEAR PAIR Two adjacents angles are said to form a linear pair of angles if their non-common arms are two opposite rays. Click to LEARN this concept/topic on Doubtnut
3	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **2. PAIRS OF ANGLES** 6. VERTICALLY OPPOSITE ANGLES Two angles formed by two intersecting lines having no common arm are called vertically opposite angles. Click to LEARN this concept/topic on Doubtnut

CONCEPT FOR BOARDS || Chapter LINES AND ANGLES

4	**2. PAIRS OF ANGLES** 7. ANGLES AT A POINT Angles formed by a number of rays having a common initial point are called angles at a point. Click to LEARN this concept/topic on Doubtnut
5	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **2. PAIRS OF ANGLES** 8. COMPLEMENTARY ANGLES If the sum of the measures of two angles is 90° then the angles are called complementary angles and each is called a complement of the other. Click to LEARN this concept/topic on Doubtnut
6	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **2. PAIRS OF ANGLES** 9. SUPPLEMENTARY ANGLES Two angles are said to be supplementary angles if the sum of their measures is 180° and each of them is called a supplement of the other. Click to LEARN this concept/topic on Doubtnut
7	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **3. PARALLEL LINES** 1. Parallel lines Click to LEARN this concept/topic on Doubtnut
doubtnut पढ़ना हुआ आसान	
8	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **3. PARALLEL LINES** 2. Parallel rays

	Click to LEARN this concept/topic on Doubtnut
9	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **3. PARALLEL LINES** 3. Parallel segments Click to LEARN this concept/topic on Doubtnut
10	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **3. PARALLEL LINES** 4. Remarks It should be noted that if two lines are not parallel then they intersect. Thus two lines in a plane are either parallel or intersecting. Click to LEARN this concept/topic on Doubtnut
11	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **4. TRANSVERSALS** 1. TRANSVERSALS A line intersecting two or more given lines in a plane at different points is called a transversal to the given lines. Click to LEARN this concept/topic on Doubtnut
	
12	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **4. TRANSVERSALS** 2. Angles made by a transversal with two lines - interior angles. Click to LEARN this concept/topic on Doubtnut
	CONCEPT FOR BOARDS || Chapter LINES AND ANGLES

13	**4. TRANSVERSALS** 3. EXTERIOR ANGLES The angles whose arms do not include the line segment PQ are called exterior angles. Click to LEARN this concept/topic on Doubtnut
14	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **4. TRANSVERSALS** 4. CORRESPONDING ANGLES A pair of angles in which one arm of both the angles is no the same sides of the transversal and their other arms are directed in the same sense is called a pair of corresponding angles. Click to LEARN this concept/topic on Doubtnut
15	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **4. TRANSVERSALS** 5. ALTERNATE INTERIOR ANGLES A pair of angles in which one arm of each of the angles is on opposite sides of the transversal and whole other arm include segment PQ as shown in Fig.44 is called a pair of alternate interior angles. Click to LEARN this concept/topic on Doubtnut
	

doubtnut
पढ़ना हुआ आसान

16	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **4. TRANSVERSALS** 6. ALTERNATE EXTERIOR ANGLES A pair of angles in which one arm of each of the angles is on opposite sides of the transversal and whose other arms are directed in opposite direction and do not include segment PQ is called a pair of alternate exterior angles. Click to LEARN this concept/topic on Doubtnut
17	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **5. ANGLES MADE BY A TRANSVERSAL TO TWO PARALLEL LINES** 1. Transversal to two parallel lines: Click to LEARN this concept/topic on Doubtnut
18	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **5. ANGLES MADE BY A TRANSVERSAL TO TWO PARALLEL LINES** 2. Property 1 Pairs of alternate (interior or exterior) angles are equal. Click to LEARN this concept/topic on Doubtnut
19	**CONCEPT FOR BOARDS || Chapter LINES AND ANGLES** **5. ANGLES MADE BY A TRANSVERSAL TO TWO PARALLEL LINES** 3. Property 2 Pairs of corresponding angles are equal. Click to LEARN this concept/topic on Doubtnut

	CONCEPT FOR BOARDS || Chapter LINES AND ANGLES **5. ANGLES MADE BY A TRANSVERSAL TO TWO PARALLEL LINES**

20	4. Property 3 The sum of the interior (or exterior) angles on the same sides of the transversal is 180°. In other words the interior (or exterior) angles on the same side of the transversal are supplementary. Click to LEARN this concept/topic on Doubtnut