



MATHS

BOOKS - JEE MAINS PREVIOUS YEAR ENGLISH

CIRCLES



1. The point diametrically opposite to the

point P (1, 0) on the circle



2. The circle $x^2 + y^2 = 4x + 8y + 5$ intersects the line 3x4y = m at two distinct points if (1) 35 < m < 15 (2) 15 < m < 65 (3) 35 < m < 85 (4) 85 < m < 35

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3. The length of the diameter of the circle which touches the x-axis at the point (1, 0) and passes through the point (2, 3) is (1) $\frac{10}{3}$ (2) $\frac{3}{5}$ (3) $\frac{6}{5}$ (4) $\frac{5}{3}$ Watch Video Solution

4. The circle passing through (1, -2) and touching the axis of x at (3, 0) also passes through the point

5. Let C be the circle with centre at (1, 1) and radius = 1. If T is the circle centred at (0, y), passing through origin and touching the circle C externally, then the radius of T is equal to (1) $\frac{\sqrt{3}}{\sqrt{2}}$ (2) $\frac{\sqrt{3}}{2}$ (3) $\frac{1}{2}$ (3) $\frac{1}{4}$ Watch Video Solution

6. The number of common tangents to the circles ${
m x}^2 {
m +y}^2 {
m -4x-6y-12} {
m =0}$ and

 $x^2+y^2+6x+18y+26=0$, is : (1) 1 (2) 2

(3) 3 (4) 4

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