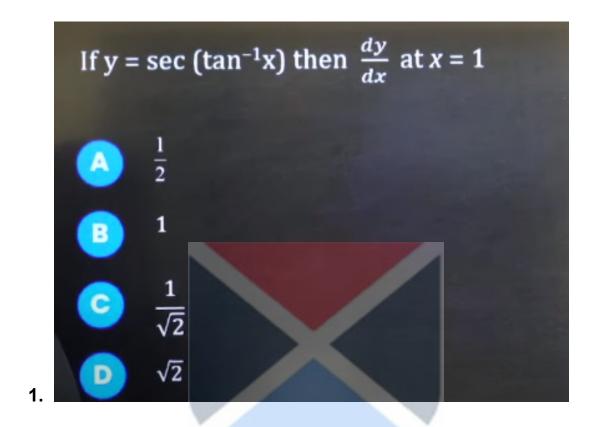
MHT CET 2024 PCM May 3 Shift 2 Question Paper



If
$$y = \log \left[e^{3x} \left(\frac{x-4}{x+3} \right)^{\frac{2}{3}} \right]$$
 then find $\frac{dy}{dx}$

Find the differential equation of the family of all circles, whose centre lies on x-axis and touches the y-axis at the origin.

If
$$f(x) = 3x + 6$$
, $g(x) = 4x + k$ and $fog(x) = gof(x)$ then $k = ?$

$$\int \frac{2x^2 - 1}{(x^2 + 4)(x^2 - 5)} dx =$$

