



MATCH THE CORRECT FORMULA OF DIFFERENTIATION BASED ON GIVEN EQUATION

F2 $(ax^n)' = anx^{n-1}$

F8 $(e^x)' = e^x$

F11 $(\ln|ax + b|)' = \frac{1}{ax+b} \cdot \frac{d}{dx}(ax + b)$

F16 $[\cos(ax + b)]' = -\sin(ax + b) \times \frac{d}{dx}(ax + b)$

F19 $[\cos^n u]' = n \tan^{n-1} u \times \sec^2 u \times \frac{du}{dx}$



1

$y = \cos(2x - 5)$

2

$y = 2x^7$

3

$y = \ln \sqrt{2 - 3x}$

4

$y = \cos^3(3x - 5)$

5

$y = 3e^x$

F2**F8****F19****F16****F11**