



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

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

F2

2

$y = 2x^7$

F8

3

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

F19

4

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

F16

5

$y = 3e^x$

F11