

DERIVATIVE PROGRESSION

I = GRAB BAG.

1) $y = x \sin x$

9) $y = \csc(5x^3)$

2) $y = 5x^7 + 3x^3 + 12 + 5$

10) $y = \sqrt{\ln(\sin(x^2))}$

3) $y = (x^4 + 2x^2 + 1)^{5/2}$

11) $y = \sin^{-1}(x)$

4) $y = \frac{1}{x}$

12) $y = x^2 e^{x^2}$

5) $y = \log_2 x$

13) $1.9 = x^2 y^3$

6) $y = \sec x \tan x$

14) $y = \ln x$

7) $\frac{x^2}{4} - \frac{y^2}{9} = 1$

15) $y = e^2$

8) $y = (\sin x)(\ln x)$

16) $y = 12^{1/x}$