

Differentiate the following expressions.

1.  $2x^3$
2.  $\cos(y)$
3.  $t^{2/3}$
4.  $\sin(s)$
5.  $z^{-3/2}$
6.  $\cos(2x^3)$
7.  $y^{2/3} \cos(y)$
8.  $\frac{t^{-3/2}}{t^{2/3}}$
9.  $\frac{\sin(s)}{\cos(s)}$
10.  $(2z^3)^{-3/2}$
11.  $x^{-3/2} \cos(2x^3)$
12.  $\frac{y^{2/3} \cos(y)}{\sin(y)}$
13.  $\frac{t^{-3/2}}{(\cos(y))^{2/3}}$
14.  $\frac{\sin(\sin(s))}{\cos(s)}$
15.  $(\cos(2z^3))^{-3/2}$
16.  $\sin(\cos(2x^3))$
17.  $(y^{2/3})(y^{-3/2}) \cos(y)$
18.  $\frac{(\sin(t))^{-3/2}}{t^{2/3}}$
19.  $\frac{\sin(s)}{s^{2/3} \cos(s)}$
20.  $\sin\left((2z^3)^{-3/2}\right)$
21.  $\sin(\cos(2x^3)) \sin(x)$
22.  $\frac{(y^{2/3})(y^{-3/2}) \cos(y)}{\sin(y)}$
23.  $\frac{(\sin(t))^{-3/2}}{(\cos(t))^{2/3}}$
24.  $\frac{\sin(\sin(s))}{s^{2/3} \cos(s)}$
25.  $\sin\left((\cos(2z^3))^{-3/2}\right)$