

Find the derivative of the function.

1) $y = x^{13}$

6) $y = \sqrt[3]{x^{-5}}$

2) $y = x^{\frac{3}{2}}$

7) $y = \sqrt[5]{\frac{1}{x^8}}$

3) $y = x^{2a}$

8) $y = 2x^a$

4) $u = t^2$

9) $y = \sqrt[q]{x^3}$

5) $y = \sqrt[3]{u}$

10) $y = \sqrt[n]{\frac{1}{x^m}}$