

Find the derivative of the function.

1) $y = x^{27}$

11) $y = \sqrt[3]{x^{27}}$

2) $y = x^{-\frac{11}{2}}$

12) $y = \sqrt{\frac{1}{x^2}}$

3) $y = x^{20}$

13) $y = 2x^4$

4) $w = t^3$

14) $x = \sqrt[3]{a^3}$

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

15) $x = \sqrt{\frac{1}{a}}$