

1. (a) $q = 3.2r + 2.5$

(b) $h = \ln(10) \cdot s + 8$

(c) $q = 30e^{-0.4t}$

(d) $w = 0.3z^2 + 40$

(e) $v = \frac{-1}{q - 11}$

(f) $y = \left(\frac{t + 2\sqrt{10}}{2}\right)^2$

(g) $y = 2t^3 + 5t + 8$

(h) $y = \sqrt[3]{x^2 - 5x + 8}$

(i) $y = \sqrt[3]{t^2 + 125}$