2a) $\log(a^x) = \log b$ $\quad x = \frac{\log b}{\log a}$

b) $\log(c^x) = \log(d)$ $\quad x = \frac{\log(d)}{\log(c)}$

c) $\log(e^x) = \log(f \cdot g)$

$x = \frac{\log(f) + \log(g)}{\log(e)}$

~~$\log(1) = 0$~~ ?,

d) $\log(h^{2x}) = \log(i)$ $\quad x = \frac{\log(i)}{2 \cdot \log(h)}$

e) $\log(k^x) = \log(1)$ $\quad x = 0$

f) $\log(m^{x+1}) = \log(n \cdot o)$

$x = \frac{\log(n) + \log(o)}{\log(m)} - 1$

g) $\log(p^{x+2}) = \log(q)$

$x = \frac{\log(q)}{\log(p)} - 2$

h) $\log(r^{x^2+2x-1}) = \log(t \cdot u)$

$x = \frac{\log(t) + \log(u) + \log(r)}{2 \cdot \log(r)}$

i) $\log(q^{3x+1}) = v$

$x = \frac{\log(v)}{3 \cdot \log(q)} - \frac{1}{3}$

j) $\log_b^{2x+3} = \frac{z \cdot w}{b}$

$x = \frac{\log(z) + \log(w) - \log(b)}{\log(y)} - 3$