

$$(4) \quad y = \frac{t(x^2 + R)}{\theta}$$

$$y\theta = t(x^2 + R)$$

$$y\theta - R = t(x^2)$$

$$(y\theta - R)^2 = t^2$$

(5)

$$(1) \quad 3^{x+4} = 7x$$

~~$$\log 3x$$~~

$$\log 3^{x+4} = \log 7x$$

$$(x+4)\log 3 = x\log 7$$

$$(x+4)0.47 = 0.84x$$

$$0.47x + 1.88 = 0.84x$$

$$0.47x - 0.84x = -1.88$$

$$-0.37x = -1.88$$

$$x = \frac{-1.88}{-0.37}$$

$$x = 5.08$$