$$y = mx + b$$

$$log_{10}y = m * log_{10}x + b$$

$$m = \frac{logy - log(y_0)}{logx - log(x_0)}$$

$$m = \frac{log(y/y_0)}{log(x/(x_0)}$$

$$m = \frac{log(0.75/2.6)}{log(10000/200)}$$

$$m = -0.318$$

$$log(y) = m * log(x) + b$$

$$b = log(0.9) - (-0.318) * log(5000)$$

$$b = 1.13$$

$$log(x) = \frac{log(y) - b}{m}$$

$$x = 10^{\frac{log(y) - b}{m}}$$