

Renew Day one key

$$①) y = \frac{Kx}{P}$$

$$20. 230 = \frac{K \cdot 300}{20} \cdot 20$$

$$K = 15.33$$

$$y = \frac{K(270)}{30}$$

$$\frac{15.33(270)}{30}$$

$$y = 138$$

$$②) y = \frac{Krm}{t^2}$$

$$5000 = \frac{K \cdot 75 \cdot 6}{3^2}$$

$$45000 = 450K$$

$$K = 100$$

$$y = \frac{100(125)(14)}{2^2}$$

$$y = 43,750$$

$$③) T = \frac{KS}{E}$$

$$12 = \frac{K \cdot 20,000}{20}$$

$$K = .012$$

$$T = \frac{.012(36,000)}{24}$$

$$T = 18$$