

• p. 270: 2-16 even, 23-27 odd, 34, 39, 45

② growth, 1.8% ④ decay, .32% ⑥ decay, 95% ⑧ $y = 52(1.023)^x$

⑩ $y = 5(.9941)^x$ ⑫ $y = 502,000(1.017)^x$ ⑭ $y = 15(.954)^x$

⑯ $y = 250(2)^{2x/15}$ ⑲ $y = \frac{40}{1 + 3(\frac{1}{3})^x}$ ⑳ $y = \frac{128}{1 + 7(.844)^x}$ ㉑ $y = \frac{20}{1 + 3(.58)^x}$

⑳^{a)} $y = 3.5(\frac{1}{2})^{x/05}$
b) 38.11 days

㉓) when $t = 1$,
every hour

㉕) a) 16
b) ≈ 14 days
c) ≈ 17 days