p. 261) 1-37 odd, 59, 61-64

① no → 8 is a constant   ③ $a=1, b=5$ ⑤ no → b is a variable   ⑦ 3   ⑨ $-2 \cdot \sqrt[3]{3}$

⑪ $f(x) = \frac{3}{2}\left(\frac{1}{2}\right)^x$ ⑬ $f(x) = 3(\sqrt{2})^x$ ⑮ → 3   ⑰ flip over y-axis   ⑲ vert. stretch bafo 3
                                                                                                                    ↑ 4

㉑ flip over y-axis   ㉓ vert. stretch bafo 3   ㉕ a ㉗ c ㉙ b
   horiz. shrink bafo 2   ← 3
                               flip over y-axis
                               horiz. shrink bafo $\frac{1}{3}$

㉛ decay   ㉝ decay   ㉟ $x < 0$ ㊲ $x < 0$

   $\lim\limits_{x \to \infty} f(x) = 0$ $\lim\limits_{x \to \infty} f(x) = 0$

   $\lim\limits_{x \to -\infty} f(x) = \infty$ $\lim\limits_{x \to -\infty} f(x) = \infty$

㊾ False. Decay decreases   ㉖① e ㉖② c ㉖③ a ㉖④ b
     until it reaches the
     asymptote @ $y = 0$