

$$1) \quad x=0 \rightarrow y=1 - \frac{1}{c} y^{-b} = 2 \rightarrow bc = -1 \quad \left\{ \begin{array}{l} b+c = -\frac{1}{2} \\ bc = -1 \end{array} \right. \rightarrow \left\{ \begin{array}{l} b = -2 \checkmark \\ b = \frac{1}{4} x \end{array} \right.$$

← با منفی تر اند (+) باشد چون در این صورت C منفی می شود

$$x = -1, \quad a = -\frac{1}{2} \rightarrow 1 - \frac{1}{c} y^{-\frac{1}{2}} a + 2 = 0 \rightarrow a = 1 \quad (a+c)b = -1$$

$$4) \quad g(x) = x^2 - x \quad \left\{ \begin{array}{l} g(1) = 0 \\ g(2) = 2 \end{array} \right. \rightarrow \left\{ \begin{array}{l} f(1) = 0 \rightarrow A+B = -1 \\ f(2) = 2 \rightarrow 2A+B = -2 \end{array} \right. \rightarrow A = -1, B = 0$$

$$f(x) = x - 2 = 4$$