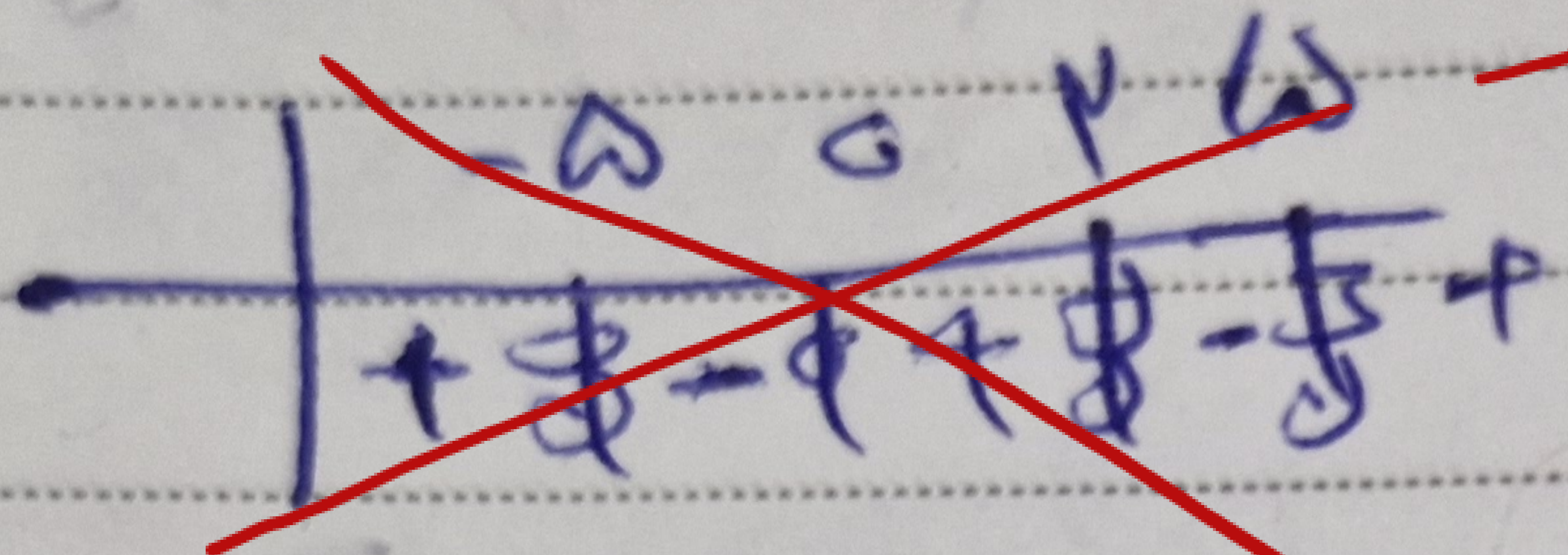


view

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②

$$Q_f = (-\infty, -\infty) \cup [0, 1) \cup (\infty, +\infty)$$

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$$1 - \frac{u}{f(u)}$$

$$1 - \frac{3}{4} + \frac{2}{5} - \frac{1}{6}$$

$$-2, -1, 1$$

مجموع

$$(-3, 2) - 2 \cdot 4$$

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

$$-f(x) = 2$$

$$f(x) = -2$$

$$f(x) = 2 + 4 + 2 + \cancel{2f(x)}$$

$$f(x) = 10$$

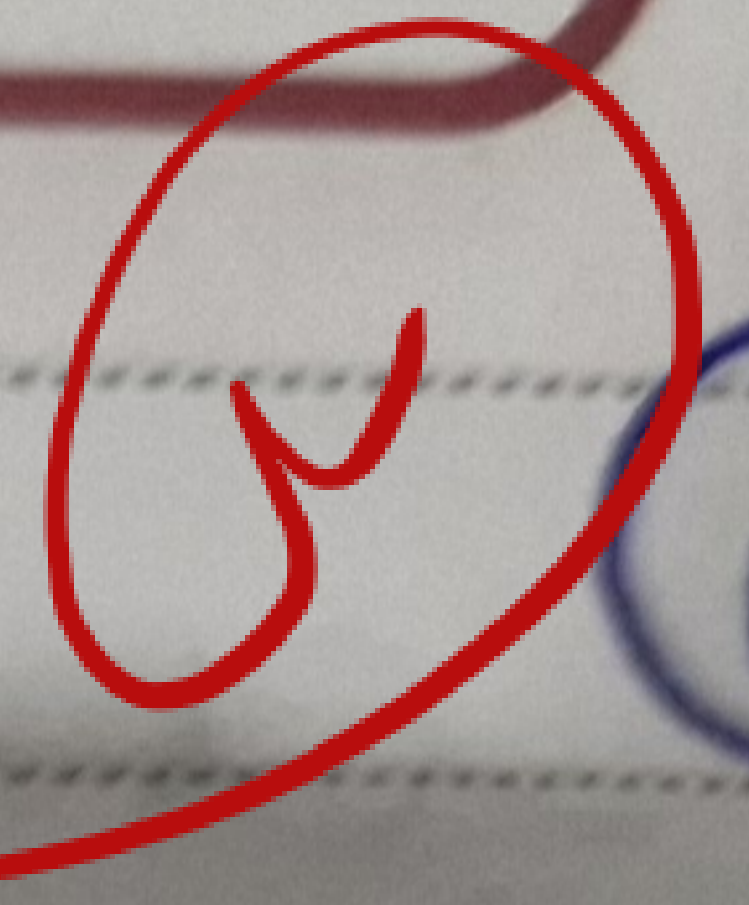
$$f(a) = a - \sqrt{a+2} = 2$$

$$f(x) = 4 + 3 = 7$$

$$f(1) = 1 + 3 = 4$$

$$f(a) = 2$$

$$f(f(a)) + f(f(1)) = 7 + 2 = 9$$



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$$-am^2 + bm + 1 + am^2 + a - 1am$$

$$-bm + b + 1 = b + a - 1am = 1m + 1$$

~~am~~ $a = -1$
 $b = 1$

$$a - b = -1 - 1 = -2$$

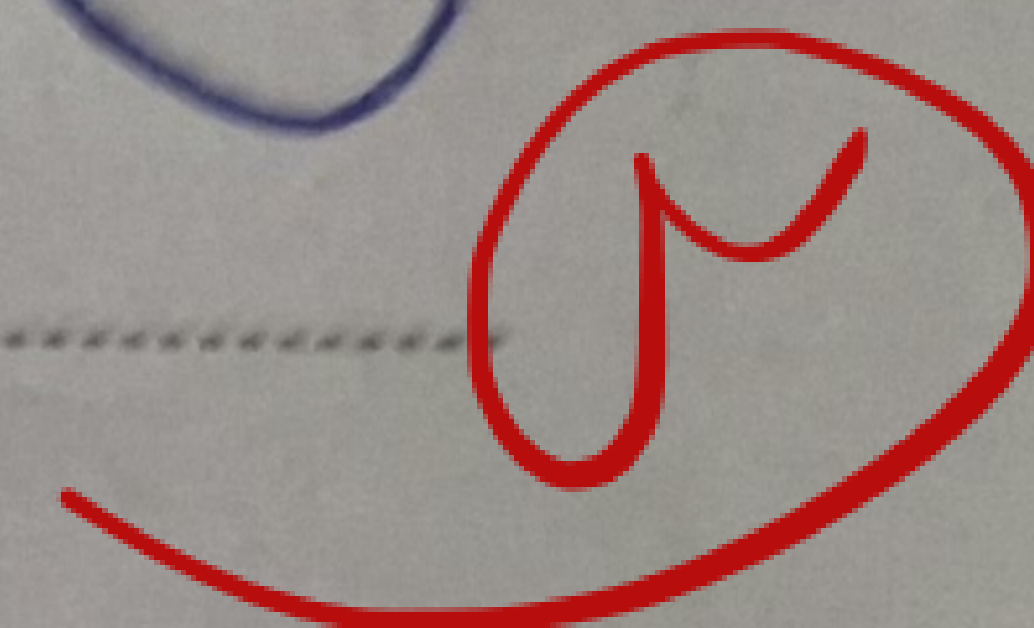
$$\mu + K - K\sqrt{\mu} + K\sqrt{\mu} - \Lambda + \Delta$$

$$\mu + \varepsilon - \varepsilon\sqrt{\mu} + \varepsilon\sqrt{\mu} - \Lambda + V =$$

$$\frac{\mu + \varepsilon - \Lambda + \Delta}{\mu + \varepsilon - \Lambda + V} = \frac{\mu}{\mu} = 1 = f(\sqrt{\mu})$$

②

$$f\left(m = \frac{1}{n}\right) = \frac{n^2 - 1}{n^2} = n^2 + \frac{1}{n^2} \quad \textcircled{v}$$



$$\left(m - \frac{1}{n}\right)^2 = n^2 + \frac{1}{n^2} - 2$$

$$f\left(m - \frac{1}{n}\right) \leq n^2 + \frac{1}{n^2} - 2$$

$$f(-n) = (-n)^2 + 1 = \underline{n^2 + 1}$$

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$$4 - m^2 > 0$$

$$-3 \leq m \leq 3 \quad g(m)$$

$$2, 1, 0, \quad f(m)$$

~~الف) $\frac{f}{g} = \left\{ \left(0, \frac{2}{\sqrt{9}}\right) \left(1, \frac{4}{\sqrt{8}}\right) \left(2, 0\right) \right\}$~~

$$\text{الف) } \frac{f}{g} = \left\{ \left(0, \frac{2}{\sqrt{9}}\right) \left(1, \frac{4}{\sqrt{8}}\right) \left(2, 0\right) \right\}$$

$$\text{ب) } \frac{g}{f} = \left\{ \left(0, \frac{3}{2}\right) \left(1, \frac{\sqrt{8}}{-4}\right) \left(2, \frac{\sqrt{8}}{0}\right) \right\}$$

$$\text{الف) } \left\{ \left(2, 2\right) \left(3, 8\right) \left(-5, 8\right) \left(1, -4\right) \right\} \quad ٢$$

$$\text{ب) } \left\{ \left(2, 2\right) \left(3, 5\right) \left(-5, 3\right) \left(1, -1\right) \right\}$$

$$\text{ج) } \left\{ \left(2, 4\right) \left(3, 49\right) \left(-5, 13\right) \left(1, 13\right) \right\}$$

$$d) f(m) = \left\{ (1, 1), \left(\frac{3}{2}, 4\right), \left(-\frac{5}{2}, 2\right), \left(\frac{1}{2}, -2\right) \right\}$$

$$f(m) = \{ (2, 3), (1, 4), (3, 1) \}$$

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$$g(m) = \{ (2, 1), (1, 0), (3, -1) \}$$

$$الف) \{ (2, 2), (1, 4), (3, 2) \}$$

$$ب) \{ (2, 4), (1, \frac{1}{2}), (3, -2) \}$$