

الف) $y = x^3 - 5x^2 + 4x + 1$ $x - 1 = \sqrt[3]{y - 1}$
 ب) $y - 1 = x^3 - 5x^2 + 4x$ $x = \sqrt[3]{y - 1} + 1$ $R_f = \mathbb{R}$
 ج) $y - 1 = (x - 1)^3$ $x = \sqrt[3]{y - 1} + 1$ $R_f = \mathbb{R}$

الف) $y = x^2 - 4x + 1$ $x_5 = 2$ $y_5 = 1$ $R_f = [1, +\infty)$
 ب) $y = x^2 - 4x + 1$ $x_5 = 2$ $y_5 = 1$ $R_f = (-\infty, 1]$
 ج) $y = x^2 - 4x + 1$ $x_5 = 2$ $y_5 = 1$ $R_f = [0, +\infty)$
 د) $y = x^2 - 4x + 1$ $x_5 = 2$ $y_5 = 1$ $R_f = [0, 3]$

الف) $y = x^3 - 5x^2 + 4x + 1$ $R_f = \mathbb{R}$
 ب) $y = x^3 - 5x^2 + 4x + 1$ $R_f = \mathbb{R}$
 ج) $y = \sqrt{x^4 - 9x^2 + 5x + 1}$ $R_f = [0, +\infty)$
 د) $y = (x^3 - 5x^2 + 4x + 1)^2$ $R_f = \mathbb{R}$

الف) $\frac{3x+1}{x-2}$ $R_f = \mathbb{R} - \{2\}$
 ب) $\frac{2x+1}{x+1}$ $R_f = \mathbb{R} - \{1\}$

الف) $\frac{2x+2}{2+1}$ $R_f = \mathbb{R} - \{1\}$
 ب) $\frac{3x+1}{1-x}$ $R_f = \mathbb{R} - \{1\}$
 ج) $\frac{2x+2}{2+1}$ $R_f = [0, +\infty) - \{1\}$
 د) $\frac{3x+1}{1-x}$ $R_f = [0, +\infty) - \{1\}$

الف) $\frac{2\lambda - 1}{\lambda + 1}$ $\lambda = 0$

ب) $\frac{2\lambda - 1}{\lambda + 2}$ $\lambda = -1$

ج) $\frac{2\lambda - 1}{\lambda + 2}$ $\lambda = -2$

الف) $\frac{2\lambda - 1}{\lambda + 1}$ $\lambda = 0$

ب) $\frac{2\lambda - 1}{\lambda + 2}$ $\lambda = -1$

ج) $\frac{2\lambda - 1}{\lambda + 2}$ $\lambda = -2$




الف) $\frac{\sin x + 1}{\sin x}$ $R_f = (-\infty, -1] \cup [1, +\infty)$

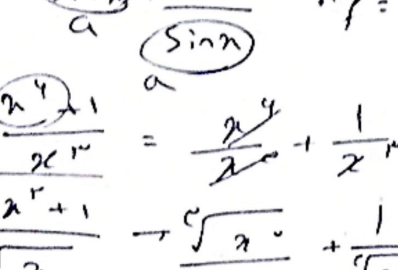
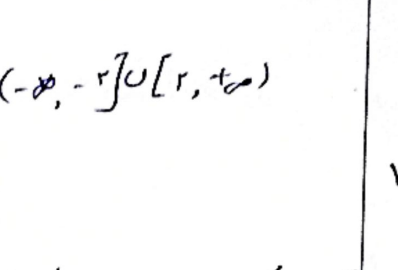
ب) $\frac{x^4 + 1}{x^4}$ $R_f = (-\infty, -1] \cup [1, +\infty)$

2) $\frac{\sqrt{x^2 + 1}}{\sqrt{2}}$ $R_f = (-\infty, -1] \cup [1, +\infty)$

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2) $\frac{\sqrt{x^2 + 1}}{\sqrt{2}}$ $R_f = (-\infty, -1] \cup [1, +\infty)$

الف) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$

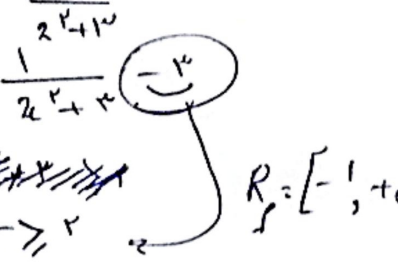
ب) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$

2) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$

الف) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$

ب) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$

2) $\frac{2^x + 1}{2^x + 1}$ $R_f = [-1, +\infty)$




الف) $y = |x - 1| + |x + 1|$ $\lambda = 1$

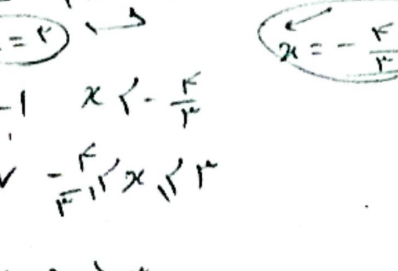
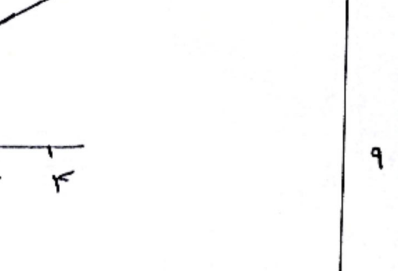
ب) $y = |x - 1| + |x + 1|$ $\lambda = -1$

2) $y = |x - 1| + |x + 1|$ $\lambda = -1$

الف) $y = |x - 1| + |x + 1|$ $\lambda = 1$

ب) $y = |x - 1| + |x + 1|$ $\lambda = -1$

2) $y = |x - 1| + |x + 1|$ $\lambda = -1$

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