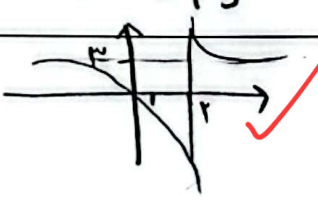


٦	(الف) $\frac{-b}{2a} = \frac{4}{2} = 2 \quad y = 9 - 18 + 2 = -7 \quad \sqrt{[-7, \infty)} = [0, \infty) = RF$ ✓ $(1, 7.5)$ (ب) $\frac{-b}{2a} = \frac{-4}{-2} = 2 \quad y = -4 + 8 + 1 = +5 \quad RF = \sqrt{(-\infty, 5]} = [-0.4, 5]$ ✓
٧	(الف) چون توان بزرگتر فرد است $RF = IR$ ✓ (ب) $\sqrt{IR} = [0, \infty)$ ✓ (2)
٨	(الف) $RF = R - \{-\frac{3}{2}\} \rightarrow R_F = IR - \{3\}$ ✓ (1.5) (ب) $RF = [0, \infty) - \{\frac{4}{3}\} \rightarrow R_F = IR - \{4\} \xrightarrow{\text{ارتباط}} R_F = [0, \infty) - \{4\}$
٩	(الف) (1) (ب) 
١٠	(الف) $RF = [2, +\infty)$ ✓ (1.5) (ب) $y = x + \frac{1}{x} \Rightarrow \sqrt[3]{(-\infty, 2]} \cup [2, \infty)$ $R_F = (-\infty, \sqrt[3]{-2}] \cup [\sqrt[3]{2}, +\infty)$