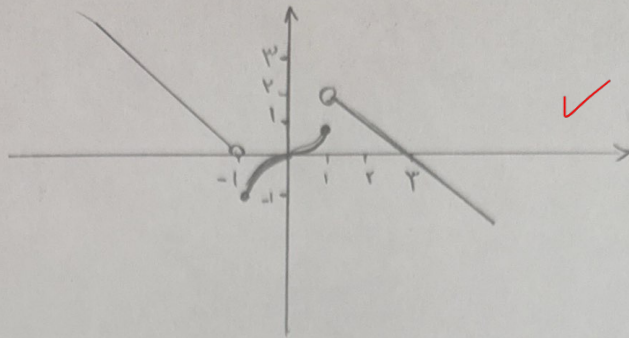
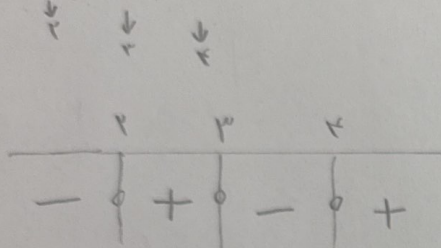




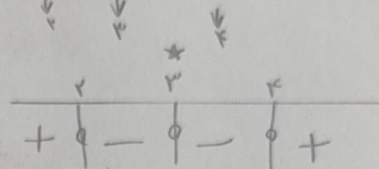
۲

۶

۱) $(x-2)(x-3)(x-4)$



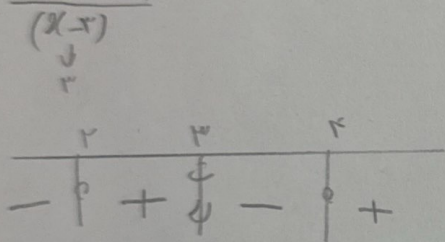
۲) $(x-1)(x-3)^2(x-4)$



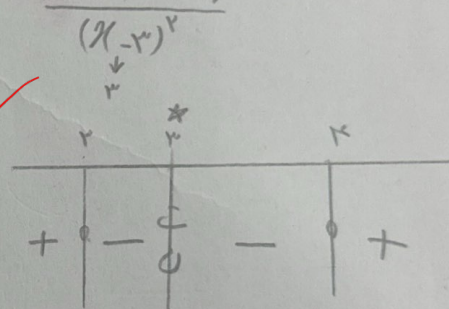
۲

۷

۱) $\frac{(x-2)(x-3)}{(x-5)}$



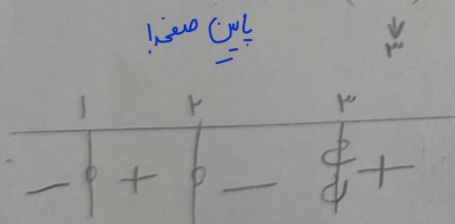
۲) $\frac{(x-2)(x-4)}{(x-3)^2}$



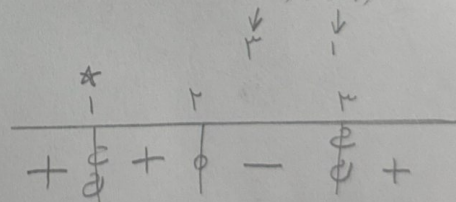
۲

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۱) $\frac{x^3-3x^2+2}{x-3} \Rightarrow \frac{(x-1)(x-2)}{(x-3)}$



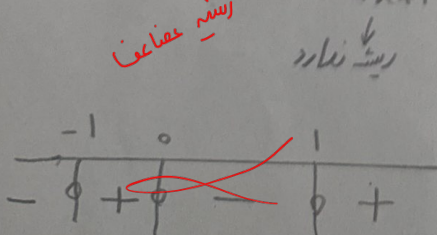
۲) $\frac{x^3-3x^2+2}{x^2-4x+3} \Rightarrow \frac{(x-1)(x-2)}{(x-3)(x-1)}$



۱

۹

۱) $\frac{x^3-x^2}{x^2+x+2} \Rightarrow \frac{x(x-1)(x+1)}{x^2+x+2}$



۲) $\frac{x^2+3x+2}{x^2+2x+3}$

عبارت به انی قاس مقادیر x شیه است

۱

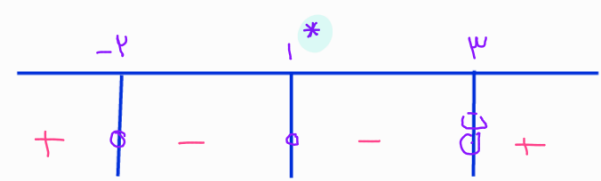
۱۰

الف) $y = \frac{x^3 - 3x + 2}{x - 3}$

$\rightarrow y = \frac{(x-1)(x^2+x-2)}{(x-3)} = \frac{(x-1)(x-1)(x+2)}{(x-3)}$

$\xrightarrow{x^2}$ $\xrightarrow{x}$ $\xrightarrow{2}$
 $\xrightarrow{3}$

3 و -2 $\Rightarrow$ ریشه ها



الف) $y = \frac{x^4 - x^2}{x^2 + x + 2}$

$\rightarrow y = \frac{x^2(x^2-1)}{x^2+x+2}$

$\xrightarrow{x^2}$ $\xrightarrow{x}$ $\xrightarrow{-1}$
 $\Delta < 0$

1 و -1 $\Rightarrow$ ریشه ها

