

الف $\frac{1}{n(n-2)}$ $\checkmark$ $n \neq 0, 2$

ب) $\frac{1}{r(n^2 + 2n^2 + n + 2)} = \frac{1}{r(n^2(n+2) + n+2)}$ $\frac{1}{r(n+2)(n^2+1)}$

$n+2$ $\checkmark$ مقسم

الف ① $\frac{1}{n^2} \cdot \frac{1}{n} = \frac{1}{n^3}$ $\checkmark$ $\frac{1}{n^3}$

ب) ① $n^2 \cdot \frac{1}{n} = n$ $\checkmark$ n

② $\frac{1}{n^2}$

لأنه تكافؤ صفري لنز

$\sqrt{4r-a} + \sqrt{b-a} = \frac{4}{a} \cdot \frac{1}{r}$ $\checkmark$ $\frac{4}{a} \cdot \frac{1}{r}$

الف $\sqrt{\frac{(n-2)(n+2)}{(n^2-4)(n^2-4)}} = \sqrt{\frac{(n-2)(n+2)}{(n-2)(n+2)(n+2)(n+2)}}$

$\checkmark$

ب) $\frac{(n-1)(n-2)(n+2)}{(n+1)(n+2)(n+2)} = \frac{n^3-2n^2-5n+4}{n^3-n^2-4}$

$\frac{(n-1)(n-2)(n+2)}{(n+1)(n+2)(n+2)}$

$\frac{4-n^2-2n-1}{4-n^2-2n-1} = \frac{4-n^2-2n-1}{4-n^2-2n-1}$

$$\frac{x^3 + 2x^2 - 8x - 4}{x^3 + x^2} = \frac{4(x+1)}{x^2 + x - 4}$$

$$\frac{-x^2 - 8x}{x^2 + x} = \frac{-4x - 4}{x^2 + x}$$

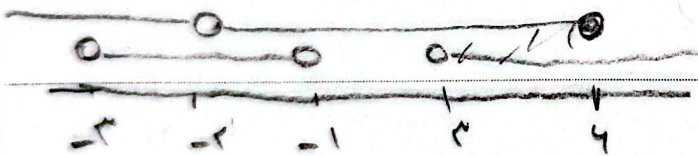
الف $\{x\} \cap \{x\}$

ب $\{x\} \cap \{x\}$

د $\sqrt{\frac{4-x}{(x+5)^2}}$

ج $\sqrt{\frac{x+1}{x-2}} + \frac{-1}{x} \quad x \neq 2$ + $\sqrt{\frac{4-x}{(x+5)^2}} \quad x \neq -5$

ه $[-1, 4] - \{+1\}$



ب $\{x\} \cap \{x\}$ $\{x\} \cap \{x\}$ $\emptyset$

$\{x\} \cap \{x\}$ $x \cap x$