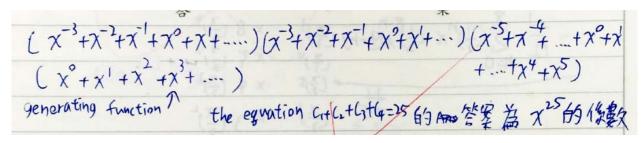
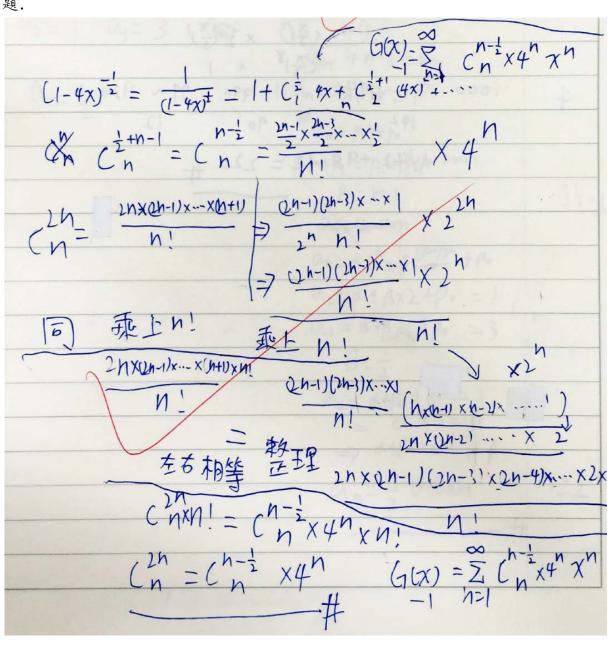
第1題.



第2題.



第3題.

$$\frac{1}{(x-3)(x-1)^{2}} = \frac{-1}{(3-x)(0-x)^{2}} = \frac{-1}{3\times4(1-\frac{x}{3})(1-\frac{x}{3})^{2}}$$

$$= \frac{-1}{12} \left(1 + \frac{x}{3} + \frac{x}{3}\right)^{2} + \cdots \right) \left(1 + 2\frac{x}{3}\right) + 3\frac{x}{3}\frac{x}{2} + \cdots \right)$$

$$= \frac{-1}{12} \left(9 \times \frac{1}{3} \times 4 + \frac{x}{3}\right)^{2} + \cdots \right)$$

$$= \frac{-1}{12} \left(9 \times \frac{1}{3} \times 4 + \frac{x}{3}\right)^{2} \times 8 \cdot \left(\frac{x}{2}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{9}{3} \times \frac{1}{3} \times 9 + \frac{x}{3}\right) \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{9}{3} \times \frac{1}{3} \times 9 + \frac{x}{3}\right) \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

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$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

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$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

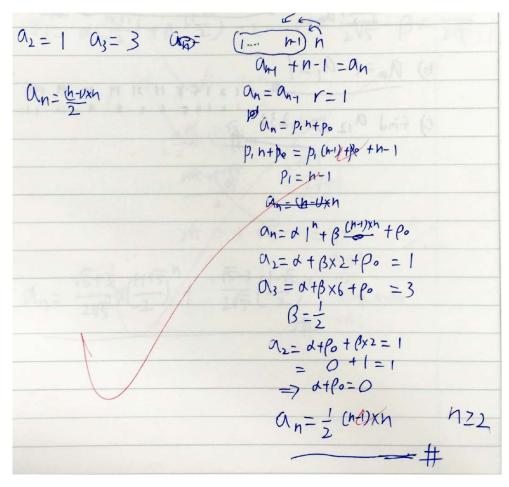
$$= \frac{-1}{12} \left(\frac{3}{3} \times 9 + \frac{x}{3}\right)^{3} \times 8 \cdot \left(\frac{x}{3}\right)^{3}$$

$$= \frac{-1}{12} \left(\frac{3}{$$

第4題.

第5題.

第6題.



第7題.

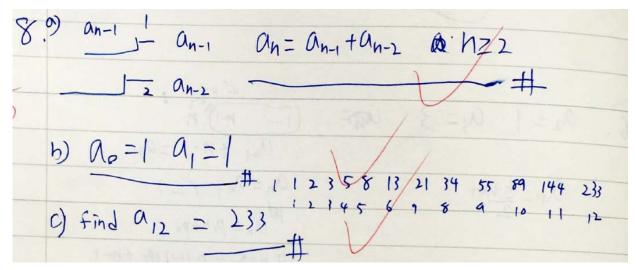
$$\frac{1}{13} = \frac{2}{3} = \frac{4}{5}$$

$$\frac{4}{5} = \frac{4}{13} = \frac{4}{12} = \frac{4}{15}$$

$$= \frac{1024}{1024} = \frac{971}{1024} = \frac{4}{1024}$$

$$= \frac{2}{1024} = \frac{4}{1024}$$

第8題.



第9題.

