

Subject:

Date:

MO TU WE TH FR SA SU

$$f(-1) + f(-1) = \frac{1^2 + 1 + 1}{-1}$$

$$2f(-1) = -1$$

$$f(-1) = -\frac{1}{2}$$

$$(1) \quad 1^k(a+1) = 1^k a - k + a \quad (1)$$

$$1^k a + 1^k = \varepsilon a - \varepsilon$$

$$\frac{1 - a}{a} = -\frac{1}{1^k}$$

$$f(n) = (n-1)\sqrt{1-n} \quad (2)$$

$$g(n) = -\sqrt{(1-n)^2}$$

$$1-n \geq 0$$

$$1 \geq n$$

$$n=1 \quad f(n) = 0 = g(n)$$

$$n=2 \quad -1^k = f(n) = g(n)$$

$$1^k \sqrt{1-n} + \frac{1}{1^k \sqrt{1-n}} + 1 + 1^k \sqrt{1-n} + \frac{1}{1^k \sqrt{1-n}} + \dots$$

$$1^k$$

$$x(1^k f(n) - 1^k f(-n)) = \varepsilon n^k$$

$$x(1^k f(-n) - 1^k f(n)) = \varepsilon n^k$$

$$-2f(n) = 1^k n^k + n$$

$$f(n) = -\frac{\varepsilon n^k + n}{2}$$

$$D_f = D_g = \varepsilon + \alpha$$

$$\sqrt{a^2} = \sqrt{a^2 n} = a\sqrt{n}$$

$$(n+1)f(n) - 1^k f(n+1) = 1^k n^k - n^k + 1^k n - n$$

$$+ 1^k f(-1) = 1^k + 1^k n + 1^k n - 1 = 2^k n + 1^k$$

$$1^k f(-1) = 1^k n - 1 \times 1^k$$

$$1^k n - 1^k = 2^k n + 1^k$$

$$1^k n = 1^k$$

$$n = 1^k$$

PASARGAD

$$\frac{1^k \times 1^k}{1^k} = 1^k$$



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$$g(n) = \left\{ \begin{pmatrix} 1, 1 \end{pmatrix} \begin{pmatrix} 0, 1 \end{pmatrix} \begin{pmatrix} 1, 2 \end{pmatrix} \right. \quad \text{a) } \frac{r+1}{r-1} \quad \text{ii) } \textcircled{9}$$
$$\left. \begin{pmatrix} -1, 2 \end{pmatrix} \begin{pmatrix} 1, 3 \end{pmatrix} \right\}$$

$$h(n) = \left\{ \begin{pmatrix} 1, 1 \end{pmatrix} \begin{pmatrix} 0, 1 \end{pmatrix} \begin{pmatrix} 1, 2 \end{pmatrix} \right\}$$

$$\text{b) } \frac{r^2 + r}{r^2 - r} \quad \text{iii) } \textcircled{15}$$

$$\text{c) } = 0 \times 1 = 0$$