1.
$$\sum_{i}^{\infty} \frac{\sqrt{n}}{n^{x^{2}-1}} = \sum_{i}^{\infty} n^{\frac{1}{2}-x^{2}+1}$$

$$x^{2} - \frac{1}{2} \cdot 1 = 3 \quad \alpha.$$

$$x^{2} \cdot 2.5 \qquad \alpha = \pm \sqrt{2.5} = 3 \sum_{i}^{\infty} n^{-1} - \frac{1}{2} \cdot \frac{1}{$$

$$\frac{\pi}{8} + \pi k > \alpha > \frac{3\pi}{8} + \pi k, kez$$

$$u. \sum_{i=1}^{\infty} \frac{3^{i}}{2n} x^{in} \sin(3x - \pi n) = \frac{\pi}{2n} x^{in} x^{in} \sin(3x - \pi n) = \frac{\pi}{2n} x^{in} x^{in} x^{in} x^{in} x^{in} x^{in} x^{in$$

Сканировано с CamScanner

7.
$$\sum_{i=1}^{\infty} 3^{n} x^{i}$$

$$C_{n} = (3\alpha)^{n}$$

$$3\alpha (1 =) cx.$$

$$\alpha (\frac{1}{3}) \qquad \alpha = \frac{1}{3} =) \sum_{i=1}^{\infty} -pacx.$$

$$2 e(-\infty); \frac{1}{3}$$

$$3 . \sum_{i=1}^{\infty} \frac{n^{i} + 1}{5^{n} (n + 1)^{n}}$$

$$C_{n} = \frac{1}{5^{n} (n + 2)}$$

$$5 \alpha + 20 > 1 = > cx.$$

$$5 \alpha > -19$$

$$0 c > -\frac{19}{5}$$

$$\alpha e(-\frac{19}{5}; +\infty)$$

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