

$$S = \frac{\alpha^2 \sqrt{3}}{4}$$

$$S_{k_m} = k_n \text{ Tro } \gamma_k^2$$

$$S_{kn} = \frac{m(n+1)}{2} \cdot \pi \cdot r_{k}^{2} = \frac{\pi \cdot m(n+1)(\alpha - \alpha n)^{2}}{8n^{2}}$$

$$S_{kn} = \frac{m(n+1)(\alpha - \alpha n)^{2}}{2} = \frac{\pi \cdot m(n+1)(\alpha - \alpha n)^{2}}{8n^{2}} = \frac{\pi \cdot$$

$$=\frac{6^{1}m}{m-2\infty} = \frac{53\pi}{6} = \frac{57}{6}$$

$$\frac{n-20}{5}$$

$$\frac{3n^{5}+5n-3}{n^{2}+2n} = 41m \frac{n^{2}\left(3+\frac{3}{n^{4}}-\frac{n}{n^{5}}\right)}{n^{2}\left(1+\frac{2}{n^{2}}\right) = 80$$

$$\frac{3n^{2}+5n-3}{n^{4}+2n} = 4im \frac{n^{2}\left(3+\frac{5}{n^{4}}-\frac{n}{n^{2}}\right)}{n^{2}\left(n^{2}+\frac{2}{n^{2}}\right) = 0$$

$$\frac{4m^{3}+n+3}{5n^{3}+4n^{2}} = 4im \frac{n^{5}\left(3+\frac{1}{n^{2}}+\frac{n}{n^{2}}\right)}{n^{5}\left(5+\frac{1}{n^{2}}+\frac{1}{n^{2}}\right)} = \frac{\pi}{5}$$

$$9)4m \frac{(n+5)^{1000}}{n^{1000}+2n} = 4m \frac{n^{1000}\left(1+\frac{5}{n^{2}}\right)}{n^{1000}\left(1+\frac{5}{n^{2}}\right)} = 1$$

$$h) \lim_{n \to \infty} \frac{(n+9)^{1000}}{n^{1001} + 2n} = \lim_{n \to \infty} \frac{n^{1000}(1+\frac{5}{n})}{n^{1000}} = 0$$

e)
$$(\sqrt{1m} \left(\sqrt{m+n'} - \sqrt{n} \right) = 4m \frac{2n^2 + n - n^2}{\sqrt{n^2 + n^2} + n} = \sqrt{2n} \frac{n^2 + n}{\sqrt{n^2 + n^2} + n} = \infty$$
 $(\sqrt{1m} \left(\sqrt{m+n'} - \sqrt{n} \right) = 4m \frac{n+n' + \sqrt{n}}{\sqrt{m+n'} + \sqrt{n}} = 0$

e) (, lm (
$$\sqrt{m+h}$$
 - \sqrt{n}) = $\frac{4m}{n-2\infty}$ $\sqrt{m+n} + \sqrt{n}$ \sqrt{m} $\sqrt{m+h}$ + \sqrt{n} $\sqrt{m+h}$ + $\sqrt{m+h}$ = $\frac{2n+5}{n-2}$ $\frac{4n}{n-2\infty}$ $\frac{2n+5}{n-2}$ + $\sqrt{n+2}$ $\frac{4n}{n-2}$ $\frac{4n}{n-2}$

e)
$$C_{1}^{1}m\left(\sqrt{m+h^{2}-0n}\right) = \frac{1}{n-2\infty} \int_{m+h^{2}}^{m+h^{2}+on} \int_{m}^{m} (\sqrt{m+h^{2}-on}) \int_{m-2\infty}^{m+h^{2}+on} \int_{m-2\infty}^{m+h^{2}+on} \int_{m-2\infty}^{m} \frac{2n+5-n-3}{\sqrt{2n+5}+\sqrt{n+2}} \int_{m}^{m} (\sqrt{2+\frac{3}{m}}+\sqrt{1+\frac{3}{m}}) = \infty$$

$$\frac{1}{n-2\infty} \int_{m-2\infty}^{m+h^{2}+on} \int_{m-2\infty}^{m+h^{2}+on} \int_{m-2\infty}^{m+h^{2}+on} \int_{m-2\infty}^{m} \frac{2n+5-n-3}{\sqrt{2n+5}+\sqrt{n+2}} \int_{m}^{m} (\sqrt{2+\frac{3}{m}}+\sqrt{1+\frac{3}{m}}) = \infty$$

$$\frac{1}{1} \frac{1}{1} \frac{1}$$

$$\int_{\eta_{n}^{2}+3n+5}^{\eta_{n}^{2}+3n+5} \frac{\eta(3n+n-n^{2}+3)}{\eta(3n+n-n^{2}+3n+2)} = 2$$

$$\int_{\eta_{n}^{2}+7n+5}^{\eta_{n}^{2}+7n+5} \frac{\eta(3n+n-n^{2}+3)}{\eta(3n+n-n^{2}+3n+2)} = 2$$

$$2.93$$

$$\frac{5 \text{ kn}}{9.700} = \frac{5 \text{ kn}}{5} = \frac{5 \text{ kn}$$

$$\gamma_{k} = \frac{\alpha}{2n} \implies m = \frac{(b-\beta_{n})}{\frac{\alpha}{n}} = \frac{m(b-\beta_{n})}{\alpha}$$

$$S_{kn} = k_n \cdot \pi r_k^2 = n \cdot m \cdot \pi r_k^2 = \frac{\eta^2 (b - \beta n)}{9} \cdot \frac{\alpha^2}{4\eta^2} = \frac{\pi \alpha (b - \beta n)}{9}$$

$$\frac{Skn}{S} = \left(\ln \frac{\Gamma \circ \left(b - \beta n \right)^{0}}{4 \circ b} \right) = \frac{\Gamma}{4}$$

2.94

$$S_{m} = (m-2) \frac{\alpha^{2} \sqrt{3}}{4} = (n-2) \frac{(AB)^{2} \sqrt{3}}{4} =$$

$$= (n-2) \frac{AB^{2} \sqrt{3}}{4n^{2}}$$

$$\frac{P_{2} P_{1} P_{2} P_{3}}{P_{2} P_{1} P_{3}} P_{1}$$

$$P_{3} = A + \frac{AB}{2} = \frac{AB}{2} - \frac{AB}{$$

2,96

$$Q_{\pm}^{(n)} = \left(Q_0 + \frac{t}{n}\right)^m$$

$$\lim_{n \to \infty} Q_{\pm}^{(n)} = \left(Q_0 + \frac{k\pm}{n}\right)^{n} = k\pm \frac{k\pm}{n}$$