

1)
$$u = r = \int x^{2}ty^{2}1z^{2}$$
 $greeder = \begin{pmatrix} \frac{3u}{3x} \\ \frac{3x}{3y} \\ \frac{3y}{2y} \end{pmatrix} = \begin{pmatrix} \frac{2x}{2\sqrt{x^{2}ty^{2}t^{2}z^{2}}} \\ \frac{2y}{2\sqrt{x^{2}ty^{2}t^{2}z^{2}}} \end{pmatrix} = \begin{pmatrix} \frac{x}{y} \\ \frac{2y}{2\sqrt{x^{2}ty^{2}t^{2}z^{2}}} \\ \frac{2z}{2\sqrt{x^{2}ty^{2}t^{2}z^{2}}} \end{pmatrix}$

3) $u = \frac{1}{r} = \frac{1}{\int x^{2}ty^{2}t^{2}z^{2}}$
 $greeder = \begin{pmatrix} \frac{2u}{3x} \\ \frac{2x}{2\sqrt{x^{2}ty^{2}t^{2}z^{2}}} \end{pmatrix}^{3/2}$
 $= \frac{x}{r^{3}}$
 $= \frac{x}{r^{3}}$

$$\frac{div}{(r'' r'')} = (r, \frac{u'}{r'} r'') = (r, \frac{u'}{r'} r'') + \frac{u'}{r'} (r, \frac{u'}{r'} r'')$$

$$\begin{array}{c} 2i\sqrt{a} = \frac{3}{3\times} \left(\frac{x}{\sqrt{x^2+y^2+2^2}}\right) + \frac{3}{3y} \left(\frac{y}{\sqrt{x^2+y^2+2^2}}\right) + \\ + \frac{3}{3z} \left(\frac{2}{\sqrt{x^2+y^2+2^2}}\right) = \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^3\right)^2}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \left(\frac{1}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2+2^2\right)^3}\right) + \\ + \left(\frac{3}{\sqrt{x^2+y^2+2^2}} - \frac{3}{2\left(x^2+y^2$$



