```
r = Sqrt[x^2 + y^2 + z^2]
```

$$\sqrt{x^2 + y^2 + z^2}$$

```
f = 1 / r;
```

```
Grad[f, {x, y, z}]
```

$$\left\{-\frac{x}{\left(x^2 + y^2 + z^2\right)^{3/2}}, -\frac{y}{\left(x^2 + y^2 + z^2\right)^{3/2}}, -\frac{z}{\left(x^2 + y^2 + z^2\right)^{3/2}}\right\}$$

```
Laplacian[q, {x, y, z}]
```

$$\frac{3\,x^2}{\left(x^2 + y^2 + z^2\right)^{5/2}} + \frac{3\,y^2}{\left(x^2 + y^2 + z^2\right)^{5/2}} + \frac{3\,z^2}{\left(x^2 + y^2 + z^2\right)^{5/2}} - \frac{3}{\left(x^2 + y^2 + z^2\right)^{3/2}}$$

```
Simplify[%]
```

```
0
```