

$$3\sqrt{24} = \sqrt{8.3} = \sqrt{4.3.3} = \sqrt{2.3.3.3} = 2.\sqrt{6}$$

Complete the square

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}}$$

$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}$$