$$3\left(x^2 - \frac{2}{3}\right) = 4 \tag{1}$$

$$3x^2 - 2 = 4 \tag{2}$$

$$3x^2 = 6 \tag{3}$$
isolate the term with the variable
$$x^2 = 2 \tag{4}$$

$$\sqrt{x^2} = \sqrt{2} \tag{5}$$

$$|x| = \sqrt{2} \tag{6}$$

$$x = \pm \sqrt{2} \tag{7}$$

This example is from MathMode.pdf of Herbert Voß

$$y = 2x^{2} - 3x + 5$$

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

$$= 2\left(\left(x - \frac{3}{4}\right)^{2} + \frac{31}{16}\right)$$

$$y = 2\left(x - \frac{3}{4}\right)^{2} + \frac{31}{8}$$

 $2x^2 - 3x$ is the beginning of an fulgebraich de la control of the control of t