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

$$= 2\left(\overbrace{\underbrace{x^2 - \frac{3}{2}x + \left(\frac{3}{4}\right)^2}}^{=0} \underbrace{- \left(\frac{3}{4}\right)^2 + \frac{5}{2}}\right) \tag{10.3}$$

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

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

$$\Rightarrow S\left(\frac{3}{4}\middle|\frac{31}{8}\right)$$