

17/11/21 Anna ACMA 4006
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2 of 9

$$(2x+4)^2 = (2x+1)(4x+3)$$

$$\begin{array}{r|rr} 2x & 4 \\ \hline 2x & 4x^2 & 8x \\ \hline 4 & 8x & 16 \end{array}$$

$$\begin{array}{r|rr} 2x & 1 \\ \hline 4x & 8x^2 & 4x \\ \hline 3 & 6x & 3 \end{array}$$

$$4x^2 + 16x + 16 = 8x^2 + 10x + 3$$

~~$$4x^2 - 6x - 13 = 0$$~~

~~$$(\quad)(\quad) = 0$$~~

$$\begin{array}{ccc} 4x^2 & -6x & -13 = 0 \\ a & b & c \end{array}$$

$$x = \frac{6 \pm \sqrt{(-6)^2 - 4 \times 4 \times (-13)}}{2 \times 4}$$

$$x = \frac{6 + \sqrt{244}}{8}$$

$$x = \underline{2.7}$$

$$x = \frac{6 - \sqrt{244}}{8}$$

$$x = \underline{-1.2}$$