

$$(3x-1)^3(x-2)^2=0$$

$$3x=1 \Rightarrow x=\frac{1}{3} \text{ (TRIPLA)}$$

$$x=2 \text{ (DOPPIA)} \quad S \left\{ \frac{1}{3} \text{ (TRIPLA); } 2 \text{ (DOPPIA)} \right\}$$

$$\frac{4x^2}{4x^2-4x+1} - \frac{1}{2x^2+3x-2} + \frac{1}{2-4x} = 1$$

C.E
 $x \neq -2 \wedge x \neq \frac{1}{2}$

Stonporian

$$2x^2+3x-2$$

$$\Delta = 9 + 16 = 25$$

$$x_{1,2} = \frac{-3 \pm 5}{4}$$

$$\frac{2}{4} = \frac{1}{2}$$

$$\frac{-8}{4} = -2$$

$$\frac{4x^2}{(2x-1)^2} - \frac{1}{(2x-1)(x+2)} + \frac{1}{-2(-1+2x)} - 1 = 0$$

$$\frac{4x^2}{(2x-1)^2} - \frac{1}{(2x-1)(x+2)} - \frac{1}{2(2x-1)} - 1 = 0$$

$$\frac{8x^2(x+2) - 2(2x-1) - (2x-1)(x+2) - 2(2x-1)^2(x+2)}{2(2x-1)^2(x+2)} = 0 \quad 2 \left(x - \frac{1}{2} \right) (x+2)$$

$$8x^3 + 16x^2 - 4x + 2 - (2x^2 + 4x - x - 2) - 2(4x^2 - 4x + 1)(x+2) = 0$$

$$8x^3 + 16x^2 - 4x + 2 - 2x^2 - 4x + x + 2 - 2(4x^3 + 8x^2 - 4x^2 - 8x + x + 2) = 0$$

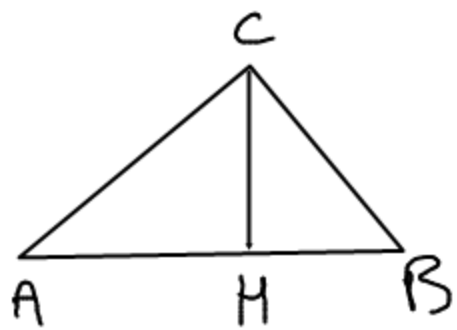
$$8x^3 + 16x^2 - 4x + 2 - 8x^3 - 8x^2 + 14x - 4 = 0$$

$$6x^2 + 7x = 0$$

$$x(6x+7) = 0$$

$$x=0 \vee x = -\frac{7}{6}$$

$$S \left\{ -\frac{7}{6}; 0 \right\}$$



$$\overline{AC}^2 = \overline{AH} \cdot \overline{AB}$$

