519
$$3x^2 - 5x + 1$$

$$3 \times ^{2} - 5 \times + 1 = 3$$

$$3 \times -5 \times +1 = 3 \left(\times -\frac{5 - \sqrt{13}}{6} \right) \left(\times -\frac{5 + \sqrt{13}}{6} \right)$$

524
$$-x^2 + \frac{9}{2}x - 2$$

$$\Delta = \frac{81}{4} - 4(-1)(-2) = \frac{81}{4} - 8 = \frac{49}{4}$$

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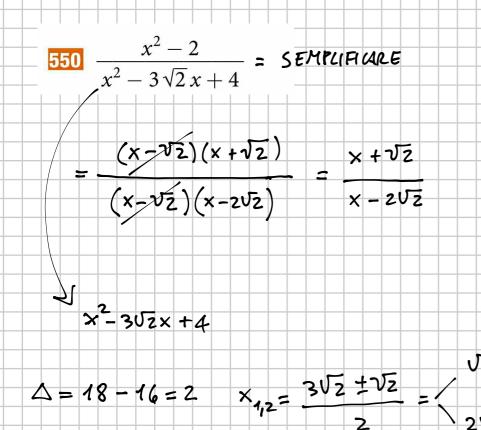
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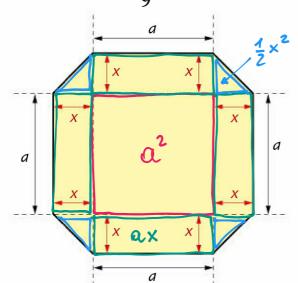
$$0 = -1$$

$$0$$

$$-x^{2} + \frac{9}{2}x - 2 = -(x - 4)(x - \frac{1}{2}) = (4 - x)(x - \frac{1}{2})$$



705 Osserva la figura. Determina x in modo che l'area dell'ottagono colorato sia $\frac{23}{9}a^2$.



$$a^{2} + 4ax + 4 \cdot \frac{1}{2}x^{2} = \frac{23}{9}a^{2}$$

$$\frac{4}{4} = 4a^{2} + \frac{28}{3}a^{2} = \frac{64}{3}a^{2}$$

$$x = -2a \pm \sqrt{\frac{64}{3}a^{2}} = -2a \pm \frac{8}{3}a$$

$$-\frac{14}{3}a = -\frac{7}{4}a = -\frac{7}{3}a \text{ N.A.}$$

a > 0

X > 0

$$\begin{bmatrix} \frac{2}{3}a \\ \frac{1}{3}a \end{bmatrix}$$

491
$$x^2 - 5x + 2 = 0$$
 coeff. $\neq 0$

$$x = \frac{5 + \sqrt{17}}{2}$$

$$x = \frac{5 + \sqrt{17}}{2}$$

$$= \frac{5 + \sqrt{17}}{2}$$

$$\frac{5+\sqrt{11}}{2}>0$$

495
$$(1-\sqrt{2})x^2+3x+\sqrt{5}-\sqrt{2}=0$$

