



39
$$|x^2 - 2x| = 2$$
 [1 ± $\sqrt{3}$]

(1) $\left(\begin{array}{c} x^2 - 2x & > 0 \\ x^2 - 2x & > 0 \end{array} \right) \left(\begin{array}{c} x^2 - 2x & < 0 \\ x^2 - 2x & > 2 \end{array} \right) \left(\begin{array}{c} x^2 - 2x & < 0 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x^2 - 2x & < 0 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & < 2x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & > 2 \end{array} \right) \left(\begin{array}{c} x & < 2x & > 2 \\ x & > 2 \end{array} \right) \left(\begin{array}{c}$

 $|x^5 + x^2 + 1| = -5$

[Impossibile]

E IMPOSSIBILE PERCUE

I (X) NOW PUD ESSERE UGUACE A UN

NUMERO NEGATIVO!

Se Jone:

$$|x^2-3x+2| = 0 \implies x^2-3x+2=0$$

$$x^{2} - 3x + 2 = 0$$

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

$$\times = 1 \ \forall \ \times = 2$$

Osserviano explicitamente che all'interno del modulo poss cambione tubi i segni:

$$\left| \begin{array}{c} x^2 \\ \times^2 - 3 \times + 7 \end{array} \right| = \left| - \times^2 + 3 \times - 7 \right|$$

PROPRIETA DET MODULI

$$\frac{|f(x)|}{g(x)} = \frac{|f(x)|}{|g(x)|} \quad \text{can } g(x) \neq 0 \quad |\frac{-3}{5}| = \frac{|-3|}{|5|}$$

DISUGUAGLIANZA TRIANGOLARE