

# ITSEISÄRVOYHTÄLÖ

polynomi

$$|P(x)| = a$$

vakio,  
 $a \geq 0$

↓

$$P(x) = a \text{ tai } P(x) = -a$$

$$|2x+3| = 5$$

$$2x+3=5 \text{ tai } 2x+3=-5$$

$$2x=2$$

$$x=1$$

$$2x=-8$$

$$x=-4$$

$$|P(x)| = |Q(x)|$$

↓

$$P(x) = Q(x) \text{ tai } P(x) = -Q(x)$$

$$|2x+3| = |5x-7|$$

$$2x+3=5x-7 \text{ tai } 2x+3=-(5x-7)$$

$$-3x=-10$$

$$x = \frac{10}{3}$$

$$2x+3=-5x+7$$

$$7x=4$$

$$x = \frac{4}{7}$$

Sarja 1

2.1 a

2.2

2.3

2.4

2.7

↓

Sarja 2

2.11

↓

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$