

# EQUAZIONI ESPONENZIALI DIFFICILI

$$1) \left(\frac{1}{2}\right)^{2x} - \frac{12}{2^x} + 32 = 0$$

$$2) 2^{4x+3} + 2 = 17 \cdot 4^x$$

$$3) \frac{4}{2^x - 1} + \frac{3}{2^x + 1} = 5$$

$$4) 9^x - 3^x = 6$$

$$5) \frac{5^{x+2} \cdot 25^{1-x}}{125^x} = \frac{1}{5}$$

$$6) \left(\frac{2}{5}\right)^{x-1} - \left(\frac{5}{2}\right)^{\frac{x-1}{x}} = 0$$

$$7) \frac{5^x}{5^x + 1} - \frac{1}{25^x - 1} = 1$$