

**Risolvere le seguenti equazioni:**

**150**  $\frac{x+4}{x-3} = 0$  [-4]

**151**  $\frac{x-1}{x+1} - 1 = 0$  [∅]

**152**  $\frac{4}{x+1} = 0$  [∅]

**153**  $\frac{2x-3}{2x^2-x-3} = 0$  [∅]

**154**  $\frac{x}{2x-3} - \frac{5}{3} = 0$  [ $\frac{15}{7}$ ]

**155**  $\frac{4x+1}{2x-4} = \frac{1}{3}$  [ $-\frac{7}{10}$ ]

**156**  $\frac{1}{x} = \frac{x+1}{x} - 1$  [ $\mathbb{R} \setminus \{0\}$ ]

**157**  $\frac{x}{x+1} = 1 - \frac{1}{x+1}$  [ $\mathbb{R} \setminus \{-1\}$ ]

**158**  $\frac{1}{4x-3} - 4(x-1) = -(4x-3) + \frac{8x-7}{4x-3}$  [ $\frac{5}{4}$ ]

**159**  $\frac{x}{1-x} - \frac{1}{x-1} = -\frac{x^2}{x^2-1}$  [ $-\frac{1}{2}$ ]

**160**  $\frac{2-x}{5x+1} = -\frac{1}{3} - \frac{28x+5}{15x+3}$  [ $-\frac{2}{5}$ ]

**161**  $\frac{2x-1}{2x+1} + \frac{4}{1-4x^2} = \frac{2x+1}{2x-1}$  [∅]

**162**  $\frac{1}{x-5} - \frac{(x-3)^2}{x^2-9x+20} = \frac{x-3}{4-x}$  [2]

**163**  $\frac{x+4}{x-4} - \frac{x-4}{x+4} = \frac{16x}{x^2-16}$  [ $\mathbb{R} \setminus \{\pm 4\}$ ]

**164**  $\frac{x}{3} + \frac{2x+1}{6-2x} = \frac{2+x^2}{3(x-3)} + \frac{1}{6}$  [ $-\frac{4}{13}$ ]

**165**  $\frac{x}{x^2+2x-3} - \frac{2}{x+3} - \frac{3}{1-x} = 0$  [ $-\frac{11}{2}$ ]

**166**  $\frac{1}{2x+3} + \frac{1}{2-3x} = \frac{-5x+1}{(2x+3)(3x-2)}$  [1]

**Risolvere le seguenti equazioni:**

**167**  $\frac{x+4}{x+2} = \frac{2x+5}{x-3} - \frac{x^2}{x^2-x-6}$  [ $-\frac{11}{4}$ ]

**168**  $\frac{2x-5}{2x-7} - \frac{2x-7}{2x-5} = \frac{4}{4x^2-24x+35}$  [ $\emptyset$ ]

**169**  $\frac{3}{2x^2+2x} - \frac{5}{x-x^2} = \frac{2}{x^2-1}$  [ $-\frac{7}{9}$ ]

**170**  $\frac{x+5}{3} + \frac{x+3}{2x-1} + \frac{2x^2+3}{3-6x} = 2$  [ $\emptyset$ ]

**171**  $\frac{4}{x-x^2} + \frac{2}{x+x^2} = \frac{5}{1-x^2}$  [2]

**172**  $\frac{2x^2-8x+11}{15-6x} + \frac{x+3}{3} = -\frac{11-3x}{2x-5}$  [ $\emptyset$ ]

**173**  $\frac{x}{1-x} - \frac{1}{x-2} = -\frac{x^2}{x^2-3x+2}$  [-1]

**174**  $\frac{2x+7}{2x+4} - \frac{x+5}{x+2} = -\frac{x+7}{(x+2)^2}$  [8]

**175**  $\frac{2x+1}{9x-3} + \frac{1}{2}x = \frac{1}{6}(3x+1) - \frac{x+2}{2-6x}$  [ $-\frac{3}{2}$ ]

**176**  $\frac{1}{2x-1} - \frac{3x+1}{4x^2+2x+1} = \frac{2x^2-3x-2}{1-8x^3}$  [ $\mathbb{R} \setminus \left\{ \frac{1}{2} \right\}$ ]

**177**  $\frac{x+1}{x-1} + \frac{x-1}{x+1} = 2 - \frac{2}{1-x^2}$  [ $\emptyset$ ]

**178**  $\frac{2}{x} - \frac{11x+5}{2(7-x)} = \frac{3}{2} + \frac{2(2x+7)(x-1)}{x^2-7x}$  [ $\emptyset$ ]

**179**  $-\frac{9}{x^2-5x-14} - \frac{x-1}{7-x} + \frac{2-x}{x+2} = 0$  [ $\frac{5}{2}$ ]

**180**  $\frac{x^2}{x^3-3x^2+3x-1} + \frac{2x}{x^2-2x+1} - \frac{3}{x-1} = 0$  [ $\frac{3}{4}$ ]

**181**  $\frac{x-3}{2x-1} + \frac{6x^2}{(1-6x)(1-2x)} = \frac{3-2x}{1-2x}$  [0]

**182**  $\left( -\frac{2}{3x+2} - 1 \right) - \frac{2}{3x+2} = -\left[ \frac{1}{3x+2} - \frac{1}{3(x+2)} + 1 \right]$  [ $-\frac{5}{3}$ ]