116 $(2x-1)^2-11(x-1)=4(x-2)^2$ [4]

117 $-2(2x-1)+3(4x-4)+7=8x-1$ [Impossibile]

118 $(x-1)^2+(x+1)^2+(x-1)(x+1)=3x^2+1$ [Indeterminata]

119 $2(x-1)+3(2-x)=x-4$ [4]

120 $-2(x-1)-(2x-3)=5-x$ [0]

121 $-2(x-1)+3(4-x)=2(x-3)-5(2x+1)$ $\left[-\frac{25}{3}\right]$

122 $2-3[x-2(x+1)]=x-[2-(x-3)]$ [−13]

123 $(x+2)(x+5)=(x-4)^2$ $\left[\frac{2}{5}\right]$

124 $(2x-3)(2x+3)-(2x-3)^2=(3-2x)(2x+3)+(2x-3)^2$ $\left[\frac{3}{2}\right]$

125 $(-x-1)^2+(x-1)^2=(x+1)^2+(-x+1)^2$ [Indeterminata]

126 $-2\{[-2(x-1)-1]-1\}-1=(x+2)^2-(x-2)^2$ $\left[-\frac{1}{4}\right]$

127 $(3x+1)(2x-1)+(2x+1)(3x-2)=12(x-3)(x+1)$ $\left[-\frac{3}{2}\right]$

128 $[(x-1)^2-(x+1)^2]^2=(4x-3)^2$ $\left[\frac{3}{8}\right]$

129 $x(x-3)^2-(x-3)^3=3(x-3)^2$ [Indeterminata]

130 $(x+1)^2-(x-2)(3-x)=2(x-1)(x+1)$ [3]

131 $(x-2)^2-(x-2)(1-x)=2(x-3)(x+3)-7x$ [Impossibile]

132 $8x^3-1=(2x-1)^3+6x(2x-1)$ [Indeterminata]

133 $(3x+1)(6x-1)-(3x+2)^2-(3x-2)^2=2x$ [9]

134 $4(x-1)+3(1-x)=2[x-(1-x)]$ $\left[\frac{1}{3}\right]$

135 $(2x-1)^2-(x+1)^2=(3x-1)(x+2)$ $\left[\frac{2}{11}\right]$

136 $(x-1)^2-(x-2)(x+1)=1$ [2]

137 $(2x+1)(1-2x)=(5x-2)(x-1)-(3x-1)^2$ [0]

138 $(2x+1)^2-3(2x-1)(2x+1)=-2(2x+1)(2x-3)$ $\left[-\frac{1}{2}\right]$

139 $(2x-3)^2-(4x-1)(x+2)=(3x-1)(3x+1)-9x^2$ $\left[\frac{12}{19}\right]$

140 $(5x-10)^2-(-x+10)^2=-6(2x-1)(7-2x)-10$ [2]

141 $[(x+1)^2-(x-1)^2]^2=(4x-1)(4x+1)$ [Impossibile]

142 $[(x-1)^2-x^2]^2=(2x-1)(2x+1)-10$ [3]

143 $2(x-2)(x+2)=x^2+(x-4)^2$ [3]

144 $3x+(3-x)^2=(x-1)^2-2$ [10]

145 $[(x-1)^2-(x-2)^2]^2=4(x-1)^2$ $\left[\frac{5}{4}\right]$

146 $(3x-2)^2-(3x-4)(3x+4)=(2x+1)^2-(-2x)^2$ $\left[\frac{19}{16}\right]$

200 $\frac{x-5}{2}-\frac{3-x}{4}=\frac{x}{5}-\frac{2x-8}{4}$ [5]

201 $\frac{1}{2}x-\frac{x-2}{3}-1=-\frac{1}{3}x+\frac{x-1}{6}$ $\left[\frac{1}{2}\right]$

202 $\frac{x-2}{4}-\frac{x+2}{2}=\frac{1}{4}x-\frac{3}{2}$ [0]

203 $\frac{1}{2}(2x-1)^2=2(x-2)(x+2)$ $\left[\frac{17}{4}\right]$

204 $\frac{x-2}{10}-\frac{x}{5}=x^2+(2-x)(2+x)$ [−42]

205 $\frac{x-2}{4}-\frac{x+2}{2}=-\frac{1}{4}x-\frac{3}{2}$ [Indeterminata]

206 $\frac{1}{6}x-\frac{5}{2}+\frac{3}{5}x+\frac{7}{10}=\frac{x}{15}-\frac{4}{3}$ $\left[\frac{2}{3}\right]$

207 $\frac{1}{12}x+\frac{5}{8}-\frac{1}{4}x=\frac{3}{2}-\frac{1}{6}x-\frac{7}{8}$ [Indeterminata]

208 $\frac{1}{2}(x-1)-\frac{1}{3}(3x-6)=\frac{1}{4}(2x-8)$ $\left[\frac{7}{2}\right]$

209 $\frac{x-1}{2}-\frac{3x-2}{6}=\frac{1}{3}(x-4)-\frac{2x-1}{4}$ $\left[-\frac{11}{2}\right]$

210 $\frac{(2x-1)(2x+1)-(1-2x)^2}{5}-\frac{x}{10}=-\frac{2-x}{2}$ [−3]

211 $\frac{1}{2}(x+1)^2-(x-2)(x+2)=x^2-\frac{3}{2}(x-1)(x+2)$ $\left[-\frac{3}{5}\right]$

212 $\frac{x}{2}-\frac{x+1}{6}=\frac{1-x}{12}-\frac{2-x}{3}$ [−5]

213 $\frac{6x-7}{3}-\frac{5x-3}{18}=\frac{2x+3}{9}+\frac{3x-5}{2}$ [Indeterminata]

214 $\frac{4x+3}{21}-\frac{6x+11}{14}=\frac{5x-1}{6}$ $\left[-\frac{4}{9}\right]$

215 $\frac{2x-3}{10}=\frac{6x-2}{15}-\frac{1+x}{5}$ [Impossibile]

216 $\frac{8x-7}{12}-\frac{5x-1}{48}=\frac{x}{8}-1$ [−1]

217 $\left(x-\frac{1}{3}\right)^2-x\left(x-\frac{2}{3}\right)=\frac{1}{9}$ [Indeterminata]

218 $\frac{3}{7}x\left(\frac{7}{6}x-1\right)-\frac{1}{2}x\left(x+\frac{1}{7}\right)=1$ [−2]

219 $\frac{1}{2}(x-1)=\frac{3}{2}(x+2)-\frac{1}{3}x$ $\left[-\frac{21}{4}\right]$

220 $\left(\frac{1}{2}x-2\right)\left(2x+\frac{1}{2}\right)=\left(\frac{3}{2}x+\frac{1}{3}\right)\left(\frac{2}{3}x-3\right)$ [0]

221 $\frac{(x+1)^2}{4}-\frac{(2x-3)^2}{6}=\frac{(x+1)^2}{3}-\frac{(3x-2)^2}{12}$ $\left[\frac{3}{2}\right]$

222 $\frac{(3x-5)(x+1)}{18}+\frac{(x+2)(x+3)}{6}=\frac{(2x+3)^2}{12}$ $\left[-\frac{1}{10}\right]$

223 $\frac{(x-1)^2}{4}-\frac{(x+1)^2}{3}=\frac{(1+x)(1-x)}{12}-\frac{x-2}{6}$ $\left[-\frac{1}{2}\right]$

224 $\frac{x(x-1)}{2}-\frac{(x-1)^2}{5}+\frac{(x-2)(x+3)}{10}=\frac{2}{5}x^2-x-\frac{9}{5}$ [−1]

225 $\left(\frac{1}{2}x-\frac{3}{2}\right)\left(\frac{1}{2}x+\frac{3}{2}\right)+\frac{x-2}{4}=\left(\frac{x-1}{2}\right)^2$ [4]

226 $\frac{2x-3}{4}+6+\frac{x}{2}=\frac{3(x-3)}{4}-2$ [−38]

227 $\left(\frac{1}{2}x-\frac{1}{3}\right)^2+\frac{x-1}{12}=\left(\frac{1}{2}x-\frac{1}{3}\right)\left(\frac{1}{2}x+\frac{1}{3}\right)$ $\left[\frac{5}{9}\right]$

228 $\left(\frac{1}{2}x-1\right)^2-\left(\frac{1}{2}x-1\right)\left(\frac{1}{2}x+3\right)=-2x$ [Impossibile]

43 $\frac{3x-9}{2x^2-18}=0$ [Impossibile]

44 $\frac{3}{x^2+2x}=-\frac{1}{2x+4}$ [−6]

45 $\frac{2x}{1-x^2}=\frac{3}{x-1}$ $\left[-\frac{3}{5}\right]$

46 $\frac{1}{x^2+4x}=\frac{3}{x^2-16}$ [−2]

47 $\frac{2x+3}{x^2-1}=-\frac{1}{2x+2}$ [Impossibile]

48 $\frac{1}{x^2-2x}+\frac{1}{x^2+2x}=\frac{3}{x^2-4}$ [Impossibile]

49 $\frac{1}{3x-1}+\frac{1}{9x^2-1}=\frac{2}{3x+1}$ $\left[\frac{4}{3}\right]$

50 $\frac{1}{x^2-4x+4}=\frac{3}{x-2}$ $\left[\frac{7}{3}\right]$

51 $\frac{1}{x^2-2x+1}-\frac{1}{x}=\frac{1}{1-x}$ $\left[\frac{1}{2}\right]$

52 $\frac{1}{x^2-5x-6}=\frac{1}{3x+3}$ [9]

53 $\frac{x+1}{10x-x^2}=-\frac{x+2}{x^2-20x+100}$ $\left[-\frac{10}{11}\right]$

54 $\frac{x^2-(x-1)^2}{2x^2-2}=\frac{1}{x+1}$ [Impossibile]

55 $\frac{x-2}{x+4}+\frac{x-4}{x+2}=2$ [−3]

56 $\frac{2x-1}{x+1}+\frac{x+1}{2x-1}=\frac{5}{2}$ [1]

57 $\frac{x+4}{x+6}+\frac{x+1}{x}-\frac{12}{x^2+6x}=2$ [Impossibile]

58 $\frac{3(x+1)}{x}-\frac{3x-5}{x+1}=\frac{9x+1}{x^2+x}$ [Impossibile]

59 $\frac{1}{1-x}-\frac{3}{x^2-1}=\frac{2}{x+1}$ $\left[-\frac{2}{3}\right]$

60 $\frac{1}{2-2x}+\frac{1}{3x+3}=\frac{2}{x^2-1}$ [−17]

61 $\frac{1}{x}-\frac{1}{x+1}=\frac{3}{2x^2+2x}$ [Impossibile]

62 $\frac{x}{x^2-9}-\frac{1}{2x+6}=\frac{2}{9-3x}$ [Impossibile]

63 $\frac{1}{2x-2}-\frac{1}{3x+3}=\frac{1}{1-x^2}$ [−11]

64 $\frac{2}{x}-\frac{3}{x-1}=\frac{1}{2x^2-2x}$ $\left[-\frac{5}{2}\right]$

65 $\frac{1}{2x-4}-\frac{1}{x}-\frac{1}{2x+4}=-\frac{x}{x^2-4}$ [Impossibile]

66 $\frac{1}{x-2}-\frac{1}{x}-\frac{1}{x+2}=-\frac{x}{x^2-4}$ [−1]

67 $\frac{1}{2x-1}-\frac{1}{1-4x^2}=\frac{2}{2x+1}$ [2]

68 **Videolezione** $\frac{1}{x^2-4}+\frac{1}{x^2+2x}=\frac{3}{x^2-2x}$ [−8]

69 $\frac{1}{4x^2-4}+\frac{1}{3x+3}=\frac{1}{8x-8}$ [Impossibile]

70 $\frac{1}{x-1}+\frac{1}{x-2}=\frac{2}{x-3}$ $\left[\frac{5}{3}\right]$

71 $\frac{1}{x}-\frac{2}{x+2}=-\frac{1}{x+3}$ [−6]

72 $\frac{1}{x}+\frac{1}{x-2}=\frac{2}{x-3}$ $\left[\frac{3}{2}\right]$

73 $\frac{1}{2x-2}+\frac{1}{3x-6}=\frac{x+1}{x^2-3x+2}$ [−14]

74 $\frac{1}{x^2-3x}-\frac{x}{x^2-6x+9}=\frac{1}{3-x}$ $\left[-\frac{3}{2}\right]$

75 $\frac{1}{x-1}+\frac{2}{3x-6}=\frac{2x-3}{x^2-3x+2}$ [Impossibile]

76 $\frac{1}{x^2+4x-5}-\frac{1}{6x-6}=\frac{1}{x+5}$ [Impossibile]

77 $\frac{1}{x^2-4x+4}+\frac{x}{x^2+x-6}=\frac{1}{x+3}$ $\left[\frac{1}{3}\right]$

78 $\frac{1}{x+3}-\frac{1}{x-2}=-\frac{5}{x^2+x-6}$ [Per ogni $x\in\mathbb{R}-\{-3,2\}$]

79 $\frac{2}{x^2+5x-6}-\frac{1}{x^2-1}=\frac{1}{x^2-3x-4}$ $\left[\frac{22}{13}\right]$

80 $\frac{1}{x^2-1}+\frac{1}{x^2-5x-6}=\frac{2}{x^2+3x-4}$ $\left[\frac{16}{11}\right]$

81 $\frac{x}{x^2-6x+9}-\frac{1}{x^2-9}=\frac{1}{x+3}$ $\left[\frac{3}{4}\right]$

82 $\frac{1}{4x^2-4x}+\frac{1}{3x^2}=\frac{1}{3x^2-3x^3}$ [Impossibile]

83 $\frac{2}{x+1}-\frac{1}{x^2+2x+1}=\frac{1}{x+1}-\frac{1}{1-x}$ $\left[-\frac{1}{3}\right]$

84 $\frac{x}{x^2-6x+9}-\frac{6}{x^2-9}=\frac{1}{x+3}$ [Impossibile]

85 $\frac{3x}{x+3}-\frac{x+3}{3x}=\frac{8}{3}$ $\left[-\frac{3}{10}\right]$

86 $\frac{2x+1}{x^2+2x+1}+\frac{x}{x+1}=1$ [0]

87 $\frac{2x+1}{x-2}-\frac{2x}{x+2}=\frac{3x-10}{x^2-4}$ [Impossibile]

88 $\frac{x+1}{x-1}-\frac{2x+5}{5x-2}=\frac{3}{5}$ $\left[-\frac{3}{7}\right]$

89 $\frac{1}{x^2-9}+\frac{1}{x^2-x-6}=\frac{2}{x^2+2x-3}$ $\left[-\frac{7}{5}\right]$

90 $\frac{2x}{4x^2-12x+9}+\frac{1}{4x^2-9}=\frac{1}{2x+3}$ $\left[\frac{3}{5}\right]$

91 $\frac{x^2+x-6}{x^2+4x-5}:\frac{x^2-4}{x+5}+\frac{1}{x-1}=\frac{1}{x+2}$ [−6]