

- 1) $\left(3y^2 - 8y - \frac{27y - 4}{5y - 3}\right) : \left(3y - 1 - \frac{14y^2 - 11y + 4}{5y - 3}\right);$
- 2) $\left(5x^2 - 8x + \frac{35x - 2}{5x + 3}\right) : \left(-3x + 1 + \frac{20x^2 + x - 2}{5x + 3}\right);$
- 3) $\left(4x^2 - 8x + \frac{35x - 4}{3x + 1}\right) : \left(-x + 1 + \frac{5x^2 - 5x + 3}{3x + 1}\right);$
- 4) $\left(8y^2 + 16y + \frac{37y + 2}{2y - 3}\right) : \left(-2y + 3 + \frac{8y^2 - 9y + 7}{2y - 3}\right);$
- 5) $\left(10y^2 + 7y - \frac{25y - 12}{5y - 3}\right) : \left(-y - 1 + \frac{10y^2 + 4y - 7}{5y - 3}\right);$
- 6) $\left(8y^2 - 22y + \frac{29y + 9}{y + 2}\right) : \left(-2y - 3 + \frac{6y^2 + 10y + 3}{y + 2}\right);$
- 7) $\left(3z^2 + 4z + \frac{59z - 20}{5z + 2}\right) : \left(z + 3 - \frac{4z^2 + 15z + 1}{5z + 2}\right);$
- 8) $\left(4x^2 + 3x + \frac{9x - 2}{4x - 3}\right) : \left(3x + 2 - \frac{8x^2 - 3x - 7}{4x - 3}\right);$
- 9) $\left(4z^2 - 8z - \frac{3z + 4}{z + 1}\right) : \left(-z + 1 + \frac{3z^2 - 3z - 5}{z + 1}\right);$
- 10) $\left(4x^2 + 7x + \frac{5x - 1}{2x - 1}\right) : \left(-3x - 2 + \frac{8x^2 + 3x - 3}{2x - 1}\right);$
- 11) $\left(3y^2 + 10y + \frac{40y + 3}{2y - 3}\right) : \left(3y + 3 - \frac{3y^2 - 7y - 12}{2y - 3}\right);$
- 12) $\left(6y^2 + 23y + \frac{93y + 8}{2y - 3}\right) : \left(2y - 2 - \frac{y^2 - 14y + 4}{2y - 3}\right);$
- 13) $\left(15z^2 - 11z + \frac{85z + 24}{5z + 1}\right) : \left(2z - 3 - \frac{5z^2 - 9z - 9}{5z + 1}\right);$
- 14) $\left(10z^2 + z + \frac{11z - 4}{z - 1}\right) : \left(2z + 3 + \frac{3z^2 - 3z + 7}{z - 1}\right);$
- 15) $\left(2z^2 + 4z + \frac{z + 2}{z + 2}\right) : \left(-2z - 2 + \frac{4z^2 + 10z + 5}{z + 2}\right);$
- 16) $\left(2y^2 + 8y + \frac{35y + 4}{3y - 2}\right) : \left(3y - 1 - \frac{7y^2 - 13y + 1}{3y - 2}\right);$
- 17) $\left(z^2 + 4z - \frac{19z + 4}{5z + 1}\right) : \left(2z - 3 - \frac{9z^2 - 18z - 4}{5z + 1}\right);$
- 18) $\left(x^2 + 3x + \frac{23x + 4}{5x - 3}\right) : \left(-2x + 3 + \frac{11x^2 - 19x + 11}{5x - 3}\right);$
- 19) $\left(4z^2 - 6z + \frac{4z - 1}{3z + 2}\right) : \left(-2z - 3 + \frac{8z^2 + 11z + 5}{3z + 2}\right);$
- 20) $\left(z^2 - z + \frac{z + 1}{z + 1}\right) : \left(2z + 2 - \frac{z^2 + 5z + 1}{z + 1}\right);$
- 21) $\left(5x^2 + 3x + \frac{13x + 3}{5x + 2}\right) : \left(3x - 3 - \frac{10x^2 - 13x - 9}{5x + 2}\right);$

- 22) $\left(2z^2 - 14z + \frac{31z - 4}{z + 1}\right) : \left(-3z + 3 + \frac{5z^2 - 4z - 2}{z + 1}\right);$
- 23) $\left(x^2 + 2x - \frac{13x - 9}{x - 1}\right) : \left(-x - 2 + \frac{2x^2 + 5x - 5}{x - 1}\right);$
- 24) $\left(3z^2 + 28z + \frac{114z - 1}{z - 4}\right) : \left(-z - 3 + \frac{2z^2 + 4z - 13}{z - 4}\right);$
- 25) $\left(2x^2 - 2x - \frac{7x + 2}{x + 1}\right) : \left(-x - 2 + \frac{3x^2 - x + 1}{x + 1}\right);$
- 26) $\left(2z^2 - 2z - \frac{2z + 3}{2z + 3}\right) : \left(3z + 2 - \frac{4z^2 + 15z + 7}{2z + 3}\right);$
- 27) $\left(15y^2 + 4y + \frac{53y - 5}{4y + 1}\right) : \left(-3y - 1 + \frac{17y^2 + 10y + 6}{4y + 1}\right);$
- 28) $\left(2z^2 + 11z + \frac{14z + 15}{z + 1}\right) : \left(-3z - 1 + \frac{4z^2 + 9z + 6}{z + 1}\right);$
- 29) $\left(4z^2 - z - \frac{11z + 20}{2z - 1}\right) : \left(-3z + 2 + \frac{10z^2 - 2z + 7}{2z - 1}\right);$
- 30) $\left(3y^2 - 5y - \frac{9y - 16}{3y - 1}\right) : \left(-2y - 2 + \frac{9y^2 + 2y - 6}{3y - 1}\right);$
- 31) $\left(3x^2 + 5x - \frac{x + 4}{3x + 2}\right) : \left(-x + 2 + \frac{6x^2 - x - 5}{3x + 2}\right);$
- 32) $\left(3x^2 + 8x + \frac{31x + 2}{x - 4}\right) : \left(-3x - 2 + \frac{4x^2 - 12x - 7}{x - 4}\right);$
- 33) $\left(6y^2 + 15y + \frac{47y + 20}{2y - 1}\right) : \left(-2y - 1 + \frac{7y^2 + 3y + 4}{2y - 1}\right);$
- 34) $\left(10y^2 - 11y + \frac{36y + 1}{3y + 4}\right) : \left(-2y - 2 + \frac{11y^2 + 16y + 7}{3y + 4}\right);$
- 35) $\left(9x^2 - 9x + \frac{17x + 8}{x + 1}\right) : \left(-2x + 3 + \frac{5x^2 - 3x + 1}{x + 1}\right);$
- 36) $\left(4y^2 - 5y + \frac{9y + 8}{4y + 1}\right) : \left(-3y + 1 + \frac{14y^2 - 4y + 1}{4y + 1}\right);$
- 37) $\left(4z^2 + 13z + \frac{47z - 4}{4z - 3}\right) : \left(-z - 3 + \frac{6z^2 + 13z - 10}{4z - 3}\right);$
- 38) $\left(6y^2 - y - \frac{13y + 12}{y + 1}\right) : \left(-y + 3 + \frac{4y^2 - 4y - 7}{y + 1}\right);$
- 39) $\left(5z^2 - z - \frac{5z - 1}{4z + 3}\right) : \left(-3z - 3 + \frac{17z^2 + 25z + 8}{4z + 3}\right);$
- 40) $\left(9y^2 - 15y + \frac{9y - 1}{y + 1}\right) : \left(-3y + 2 + \frac{6y^2 - 2y - 3}{y + 1}\right);$
- 41) $\left(3y^2 - 11y + \frac{3y - 4}{y - 1}\right) : \left(-y - 1 + \frac{2y^2 - 4y + 1}{y - 1}\right);$
- 42) $\left(12x^2 - 14x + \frac{47x - 9}{3x + 1}\right) : \left(3x + 1 - \frac{5x^2 + 8x - 2}{3x + 1}\right);$

- 43) $\left(2z^2 + z + \frac{z-4}{5z+3}\right) : \left(-3z + 1 + \frac{17z^2 + 7z - 1}{5z+3}\right);$
- 44) $\left(4y^2 - \frac{3y-2}{y-1}\right) : \left(3y - 1 - \frac{y^2 - 3y + 3}{y-1}\right);$
- 45) $\left(z^2 + 3z - \frac{z+3}{z+1}\right) : \left(3z + 3 - \frac{2z^2 + 5z + 4}{z+1}\right);$
- 46) $\left(10z^2 - 33z + \frac{99z+16}{2z+3}\right) : \left(z + 1 + \frac{3z^2 - 9z - 7}{2z+3}\right);$
- 47) $\left(10y^2 - 29y + \frac{81y-2}{y+3}\right) : \left(2y - 3 + \frac{3y^2 - 5y + 7}{y+3}\right);$
- 48) $\left(y^2 + 2y - \frac{2y+3}{y+2}\right) : \left(-3y + 3 + \frac{4y^2 + 4y - 7}{y+2}\right);$
- 49) $\left(y^2 - 2y + \frac{4y-1}{3y+4}\right) : \left(2y - 1 - \frac{5y^2 + 6y - 3}{3y+4}\right);$
- 50) $\left(15y^2 + 44y + \frac{53y-4}{y-1}\right) : \left(2y + 2 + \frac{3y^2 + 3y + 1}{y-1}\right);$
- 51) $\left(4z^2 + 6z - \frac{11z-3}{z+1}\right) : \left(2z - 2 + \frac{2z^2 - 2z + 3}{z+1}\right);$
- 52) $\left(3x^2 - 6x + \frac{x-2}{x+1}\right) : \left(x - 1 + \frac{2x^2 + 3x + 2}{x+1}\right);$
- 53) $\left(2z^2 + 6z - \frac{z-12}{z+2}\right) : \left(-2z + 1 + \frac{4z^2 + 5z + 1}{z+2}\right);$
- 54) $\left(15z^2 - 34z + \frac{154z-3}{3z+4}\right) : \left(-3z - 1 + \frac{14z^2 + 12z + 5}{3z+4}\right);$
- 55) $\left(4y^2 + 2y - \frac{4y-9}{y-1}\right) : \left(-2y + 1 + \frac{4y^2 - 7y + 4}{y-1}\right);$
- 56) $\left(3z^2 + z + \frac{11z+24}{z-1}\right) : \left(-2z - 1 + \frac{3z^2 - 3z + 5}{z-1}\right);$
- 57) $\left(z^2 - z - \frac{z-1}{3z-2}\right) : \left(-z + 1 + \frac{4z^2 - 7z + 3}{3z-2}\right);$
- 58) $\left(3x^2 + 11x + \frac{23x-2}{2x-3}\right) : \left(3x + 2 - \frac{5x^2 - 7x - 4}{2x-3}\right);$
- 59) $\left(z^2 - 7z + \frac{13z-16}{z-1}\right) : \left(3z + 3 - \frac{2z^2 + 4z - 7}{z-1}\right);$
- 60) $\left(2x^2 - 7x + \frac{11x+4}{2x+1}\right) : \left(-2x + 1 + \frac{5x^2 - 2x - 2}{2x+1}\right);$
- 61) $\left(8z^2 + 8z + \frac{36z+1}{3z-4}\right) : \left(2z - 1 - \frac{2z^2 - 9z + 3}{3z-4}\right);$
- 62) $\left(2y^2 - 7y - \frac{13y+12}{y+1}\right) : \left(2y - 1 - \frac{y^2 + 5y + 3}{y+1}\right);$
- 63) $\left(6x^2 - 13x + \frac{x-6}{5x+4}\right) : \left(2x - 3 - \frac{8x^2 - 4x - 9}{5x+4}\right);$

- 64) $\left(6z^2 + 10z + \frac{61z + 15}{3z - 1}\right) : \left(2z - 2 - \frac{4z^2 - 10z - 3}{3z - 1}\right);$
- 65) $\left(4x^2 + \frac{17x - 6}{5x + 1}\right) : \left(-3x - 3 + \frac{17x^2 + 19x + 5}{5x + 1}\right);$
- 66) $\left(12z^2 - 22z + \frac{61z - 6}{z + 3}\right) : \left(-2z - 3 + \frac{6z^2 + 11z + 6}{z + 3}\right);$
- 67) $\left(y^2 + 2y - \frac{5y - 2}{y - 1}\right) : \left(-y + 3 + \frac{2y^2 - y + 2}{y - 1}\right);$
- 68) $\left(6x^2 - 16x + \frac{56x + 1}{4x + 3}\right) : \left(-2x + 2 + \frac{10x^2 - 6x - 5}{4x + 3}\right);$
- 69) $\left(2x^2 + 4x + \frac{13x - 1}{5x - 4}\right) : \left(-3x - 1 + \frac{17x^2 - 5x - 5}{5x - 4}\right);$
- 70) $\left(3y^2 - 2y - \frac{15y + 1}{4y - 1}\right) : \left(-y + 2 + \frac{5y^2 - 10y + 1}{4y - 1}\right);$
- 71) $\left(4x^2 + 2x + \frac{2x + 1}{x + 1}\right) : \left(x - 2 + \frac{x^2 + 3x + 3}{x + 1}\right);$
- 72) $\left(5z^2 + 13z + \frac{20z - 3}{2z - 1}\right) : \left(3z + 2 - \frac{z^2 - 2z - 1}{2z - 1}\right);$
- 73) $\left(x^2 - 4x + \frac{x - 4}{x - 2}\right) : \left(-3x + 1 + \frac{4x^2 - 9x + 3}{x - 2}\right);$
- 74) $\left(5z^2 + 7z + \frac{31z + 5}{3z - 2}\right) : \left(-z + 3 + \frac{8z^2 - 9z + 11}{3z - 2}\right);$
- 75) $\left(x^2 - 4x + \frac{5x + 4}{3x - 1}\right) : \left(2x - 3 - \frac{5x^2 - 8x + 4}{3x - 1}\right);$
- 76) $\left(5z^2 - 14z + \frac{56z - 5}{2z + 3}\right) : \left(-z - 3 + \frac{7z^2 + 5z + 14}{2z + 3}\right);$
- 77) $\left(8z^2 - 24z + \frac{89z - 6}{2z + 3}\right) : \left(-3z - 3 + \frac{10z^2 + 12z + 11}{2z + 3}\right);$
- 78) $\left(6y^2 + y + \frac{y + 2}{y - 1}\right) : \left(-2y - 3 + \frac{5y^2 - 3y - 1}{y - 1}\right);$
- 79) $\left(5z^2 + 7z + \frac{35z + 4}{5z - 3}\right) : \left(3z - 3 - \frac{10z^2 - 26z + 7}{5z - 3}\right);$
- 80) $\left(12z^2 + 19z + \frac{119z + 12}{5z - 1}\right) : \left(z - 3 - \frac{z^2 - 21z - 3}{5z - 1}\right);$
- 81) $\left(15z^2 + z - \frac{29z - 2}{5z + 4}\right) : \left(3z - 3 - \frac{10z^2 - 8z - 11}{5z + 4}\right);$
- 82) $\left(12x^2 - 52x + \frac{189x + 4}{x + 4}\right) : \left(3x - 2 + \frac{x^2 - 6x + 7}{x + 4}\right);$
- 83) $\left(2z^2 - 5z + \frac{2z + 1}{5z + 2}\right) : \left(-z - 3 + \frac{6z^2 + 15z + 5}{5z + 2}\right);$
- 84) $\left(5x^2 - 21x + \frac{11x - 24}{x + 1}\right) : \left(x + 2 + \frac{4x^2 + x + 4}{x + 1}\right);$

- 85) $\left(6z^2 - 13z + \frac{43z - 4}{z + 4}\right) : \left(-3z - 3 + \frac{5z^2 + 18z + 8}{z + 4}\right);$
- 86) $\left(9z^2 + 30z + \frac{73z - 4}{z - 3}\right) : \left(-z + 1 + \frac{4z^2 + z + 4}{z - 3}\right);$
- 87) $\left(5x^2 - 27x + \frac{41x - 24}{x + 1}\right) : \left(-2x - 1 + \frac{7x^2 + x + 7}{x + 1}\right);$
- 88) $\left(5y^2 + y + \frac{5y + 1}{5y + 2}\right) : \left(-y + 1 + \frac{10y^2 - y - 1}{5y + 2}\right);$
- 89) $\left(10z^2 + 9z + \frac{56z - 15}{5z - 2}\right) : \left(2z + 1 - \frac{5z^2 - 3z - 7}{5z - 2}\right);$
- 90) $\left(3x^2 + 14x - \frac{31x + 6}{3x + 2}\right) : \left(x + 2 - \frac{2x^2 + 3x + 6}{3x + 2}\right);$
- 91) $\left(3z^2 + 9z + \frac{43z + 24}{3z - 1}\right) : \left(-3z - 1 + \frac{12z^2 + 4z + 5}{3z - 1}\right);$
- 92) $\left(6x^2 + 14x + \frac{39x + 4}{4x + 1}\right) : \left(2x + 2 - \frac{6x^2 + 5x - 2}{4x + 1}\right);$
- 93) $\left(9x^2 + 21x + \frac{149x - 10}{5x - 4}\right) : \left(-2x + 1 + \frac{13x^2 - 8x + 9}{5x - 4}\right);$
- 94) $\left(6x^2 + 17x + \frac{55x + 3}{3x - 2}\right) : \left(-2x - 1 + \frac{9x^2 + 4x - 1}{3x - 2}\right);$
- 95) $\left(6y^2 + 37y + \frac{163y + 6}{y - 4}\right) : \left(3y - 3 - \frac{y^2 - 18y + 9}{y - 4}\right);$
- 96) $\left(6y^2 + 39y + \frac{169y + 6}{y - 4}\right) : \left(-2y + 3 + \frac{5y^2 - 8y + 14}{y - 4}\right);$
- 97) $\left(15z^2 - 40z + \frac{171z + 2}{z + 4}\right) : \left(-2z - 2 + \frac{7z^2 + 15z + 10}{z + 4}\right);$
- 98) $\left(12x^2 - 31x + \frac{47x + 4}{x + 2}\right) : \left(3x - 1 + \frac{x^2 - 2x + 1}{x + 2}\right);$
- 99) $\left(5x^2 + 25x + \frac{61x + 2}{x - 2}\right) : \left(3x + 2 + \frac{2x^2 + 9x + 5}{x - 2}\right);$
- 100) $\left(9x^2 - 19x + \frac{89x - 24}{3x + 1}\right) : \left(-2x - 1 + \frac{9x^2 + x + 7}{3x + 1}\right);$