







$$No01 = \begin{bmatrix} .1 = (f(x) = x^2 + 4x - 1) \\ .2 = (f(x) = 2x^3 + 5) \\ .3 = \left(f(x) = \frac{5}{x}\right) \\ .4 = (f(x) = 6x^{(1/3)}) \end{bmatrix}, \quad , No02 = \begin{bmatrix} .1 = [f(x) = 5x^3 - 3, a = 5] \\ .2 = \left[f(x) = \frac{5}{x^2}, a = 2\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = x^2 + 4x - 1) & .2 = (f(x) = 2x^3 + 5) \\ .3 = (f(x) = 4x^5 + 3x^4 - 5x^3 + 4) & .4 = \left( f(x) = \frac{1}{2}x^5 - \frac{4}{5}x^4 + \frac{2}{5}x^2 \right) \\ .5 = \left( f(x) = \frac{5}{\sqrt{x}} - \sqrt{x} + 2x \right) & .6 = \left( f(x) = \frac{1}{x^{(3/5)}} + \frac{1}{x^{(5/3)}} + x^{(1/5)} + \frac{1}{x^{(1/5)}} \right) \\ .7 = (f(x) = (x+4)(2x^2 + 3x - 3)) & .8 = (f(x) = (x-3)(\sqrt{x} + 2)) \\ .9 = \left( f(x) = \frac{1+3x}{x-2} \right) & .10 = \left( f(x) = \frac{x^7 - 3x^3}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{3}{x^4} + \frac{4}{x^2} \right) (5x^5 + 1) \right) & .12 = \left( f(x) = (4x^4 - 3x^5) \left[ \frac{x+2}{x+3} \right] \right) \end{array} \right],$$

$$No04 = \left[ \begin{array}{l} .1 = [\text{f}(x) = 4x^5 + 3x^4 - 5x^3 + 4, a = 2] \\ .2 = \left[ \text{f}(x) = \frac{5}{\sqrt{x}} - \sqrt{x} + 2x, a = 1 \right] \end{array} \right]$$

$$No01 = \begin{bmatrix} .1 = (f(x) = 5x^2 + 2x + 1) \\ .2 = (f(x) = 3x^3 + 1) \\ .3 = \left(f(x) = \frac{4}{x}\right) \\ .4 = (f(x) = 2\sqrt{x}) \end{bmatrix}, \quad No02 = \begin{bmatrix} .1 = [f(x) = 4x^3 + 3, a = 2] \\ .2 = \left[f(x) = \frac{5}{x^2}, a = 1\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = 5x^2 + 2x + 1) & .2 = (f(x) = 3x^3 + 1) \\ .3 = (f(x) = 5x^5 + 4x^2 - x + 3) & .4 = \left( f(x) = \frac{4}{3}x^5 - \frac{4}{5}x^3 - \frac{5}{4}x^2 \right) \\ .5 = \left( f(x) = \sqrt{x} + \frac{3}{\sqrt{x}} - x \right) & .6 = \left( f(x) = x^{(5/3)} + \frac{1}{x^{(1/5)}} + x^{(1/5)} + x^{(3/5)} \right) \\ .7 = (f(x) = (3x^2 + 4x + 4)(-5 + 2x)) & .8 = (f(x) = (x + 4)(\sqrt{x} - 5)) \\ .9 = \left( f(x) = \frac{x + 3}{4x - 1} \right) & .10 = \left( f(x) = \frac{5x + 1}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{4}{x} + \frac{1}{x^4} \right) (2x^2 + 5) \right) & .12 = \left( f(x) = (x^5 - 2x^4) \left[ \frac{x + 3}{x + 1} \right] \right) \end{array} \right], \quad \left[ \begin{array}{l} \left[ \begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[ \begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \end{array} \right]$$

$$No04 = \left[ \begin{array}{l} .1 = [f(x) = 5x^5 + 4x^2 - x + 3, a = 2] \\ .2 = \left[ f(x) = \sqrt{x} + \frac{3}{\sqrt{x}} - x, a = 4 \right] \end{array} \right]$$





$$No01 = \begin{bmatrix} .1 = (f(x) = x^2 + 2x + 3) \\ .2 = (f(x) = 5x^3 + 4) \\ .3 = \left(f(x) = \frac{3}{x}\right) \\ .4 = (f(x) = 6x^{(1/3)}) \end{bmatrix}, \quad No02 = \begin{bmatrix} .1 = [f(x) = 3x^3 - 4, a = 5] \\ .2 = \left[f(x) = \frac{6}{x^2}, a = 2\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = x^2 + 2x + 3) & .2 = (f(x) = 5x^3 + 4) \\ .3 = (f(x) = 4x^5 - 5x^3 - 4x + 3) & .4 = \left( f(x) = \frac{3}{4}x^4 - \frac{1}{6}x^3 + \frac{1}{2}x^2 \right) \\ .5 = \left( f(x) = \frac{3}{\sqrt{x}} + x + 3\sqrt{x} \right) & .6 = \left( f(x) = \frac{1}{x^{(1/3)}} + x^{(3/2)} + \frac{1}{x^{(3/2)}} + x^{(2/3)} \right) \\ .7 = (f(x) = (x^2 + x - 4)(3x^2 + 5)) & .8 = (f(x) = (\sqrt{x} + 1)(x + 2)) \\ .9 = \left( f(x) = \frac{x + 2}{5x - 3} \right) & .10 = \left( f(x) = \frac{3x^3 + 2x}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{1}{x^3} + \frac{4}{x} \right) (2x^5 + 5) \right) & .12 = \left( f(x) = (5x^4 + 3x^2) \left[ \frac{x - 3}{x + 4} \right] \right) \end{array} \right],$$

$$No04 = \left[ \begin{array}{l} .1 = \left[ f(x) = \frac{3}{\sqrt{x}} + x + 3\sqrt{x}, a = 4 \right] \\ .2 = [f(x) = 4x^5 - 5x^3 - 4x + 3, a = 2] \end{array} \right]$$











$$No01 = \begin{bmatrix} .1 = (f(x) = x^2 + 4x - 1) \\ .2 = (f(x) = 6x^3 - 1) \\ .3 = \left(f(x) = \frac{5}{x}\right) \\ .4 = (f(x) = 6x^{(1/3)}) \end{bmatrix}, \quad , No02 = \begin{bmatrix} .1 = [f(x) = 5x^3 + 4, a = 2] \\ .2 = \left[f(x) = \frac{3}{x^2}, a = -2\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = x^2 + 4x - 1) & .2 = (f(x) = 6x^3 - 1) \\ .3 = (f(x) = 3x^6 - 5x^5 + 3x^3 - 5x^2) & .4 = \left( f(x) = \frac{1}{6}x^3 + \frac{3}{5}x - \frac{4}{3} \right) \\ .5 = \left( f(x) = 2\sqrt{x} - \frac{3}{\sqrt{x}} + x \right) & .6 = \left( f(x) = \frac{1}{x^{(1/6)}} + \frac{1}{x^{(6/5)}} + x^{(6/5)} + \frac{1}{x^{(5/6)}} \right) \\ .7 = (f(x) = (2x^2 + 2x + 5)(2x^2 + 5)) & .8 = (f(x) = (x + 4)(\sqrt{x} + 5)) \\ .9 = \left( f(x) = \frac{3 - x}{2x + 3} \right) & .10 = \left( f(x) = \frac{4x^7 + x^5}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{3}{x^5} + \frac{5}{x^2} \right) (4x^4 + 1) \right) & .12 = \left( f(x) = (4x^5 + 5x^4) \left[ \frac{x + 2}{x - 5} \right] \right) \end{array} \right], \quad \left[ \begin{array}{l} \left[ \begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[ \begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \end{array} \right]$$













$$No01 = \begin{bmatrix} .1 = (f(x) = 4x^2 + x + 4) \\ .2 = (f(x) = 5x^3 + 2) \\ .3 = \left(f(x) = \frac{2}{x}\right) \\ .4 = (f(x) = 5x^{(1/3)}) \end{bmatrix}, \quad , No02 = \begin{bmatrix} .1 = [f(x) = 5x^3 + 1, a = 5] \\ .2 = \left[f(x) = \frac{6}{x^2}, a = 3\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = 4x^2 + x + 4) & .2 = (f(x) = 5x^3 + 2) \\ .3 = (f(x) = 2x^6 - 5x^5 - 3x^4 - 1) & .4 = \left( f(x) = \frac{2}{5}x^3 - \frac{3}{4}x + \frac{5}{6} \right) \\ .5 = \left( f(x) = \frac{2}{\sqrt{x}} - 3\sqrt{x} - x \right) & .6 = \left( f(x) = \frac{1}{x^{(1/3)}} + \frac{1}{x^{(2/3)}} + \frac{1}{x^{(3/2)}} + x^{(1/3)} \right) \\ .7 = (f(x) = (3x^2 + 2x - 3)(5x^2 + 5)) & .8 = (f(x) = (x - 2)(\sqrt{x} - 5)) \\ .9 = \left( f(x) = \frac{-1 + 3x}{1 + 3x} \right) & .10 = \left( f(x) = \frac{x^7 - 3x^3}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{3}{x^4} + \frac{2}{x^3} \right) (5x + 4) \right) & .12 = \left( f(x) = (5x + 3x^4) \left[ \frac{x+2}{x-1} \right] \right) \end{array} \right],$$

$$No04 = \left[ \begin{array}{l} .1 = \left[ f(x) = \frac{2}{\sqrt{x}} - 3\sqrt{x} - x, a = 1 \right] \\ .2 = [f(x) = 2x^6 - 5x^5 - 3x^4 - 1, a = 2] \end{array} \right]$$





$$No01 = \begin{bmatrix} .1 = (f(x) = x^2 + 4x + 5) \\ .2 = (f(x) = 2x^3 - 1) \\ .3 = \left(f(x) = \frac{2}{x}\right) \\ .4 = (f(x) = 4x^{(1/3)}) \end{bmatrix}, \quad , No02 = \begin{bmatrix} .1 = [f(x) = 5x^3 + 3, a = 4] \\ .2 = \left[f(x) = \frac{3}{x^2}, a = 2\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = x^2 + 4x + 5) & .2 = (f(x) = 2x^3 - 1) \\ .3 = (f(x) = 2x^7 + 3x^4 - 5x^3 - 2x^2) & .4 = \left( f(x) = \frac{3}{4}x^3 - \frac{3}{5}x^2 + \frac{5}{2} \right) \\ .5 = \left( f(x) = \sqrt{x} + 2x + \frac{5}{\sqrt{x}} \right) & .6 = \left( f(x) = x^{(2/5)} + \frac{1}{x^{(1/5)}} + x^{(1/5)} + x^{(5/2)} \right) \\ .7 = (f(x) = (4x^2 + x + 1)(4x^2 + x)) & .8 = (f(x) = (x - 3)(\sqrt{x} + 5)) \\ .9 = \left( f(x) = \frac{5 - x}{5x + 4} \right) & .10 = \left( f(x) = \frac{x^7 + 5}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{4}{x} + \frac{3}{x^5} \right) (x^4 + 5) \right) & .12 = \left( f(x) = (3x + 5x^3) \left[ \frac{x + 5}{x - 2} \right] \right) \end{array} \right],$$

$$No04 = \left[ \begin{array}{l} .1 = [f(x) = 2x^7 + 3x^4 - 5x^3 - 2x^2, a = -2] \\ .2 = \left[ f(x) = \sqrt{x} + 2x + \frac{5}{\sqrt{x}}, a = 1 \right] \end{array} \right]$$







$$No01 = \begin{bmatrix} .1 = (f(x) = 3x^2 + 2x - 5) \\ .2 = (f(x) = 4x^3 - 3) \\ .3 = \left(f(x) = \frac{3}{x}\right) \\ .4 = (f(x) = 4x^{(1/3)}) \end{bmatrix}, \quad No02 = \begin{bmatrix} .1 = [f(x) = 6x^3 - 1, a = 6] \\ .2 = \left[f(x) = \frac{6}{x^2}, a = 1\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = 3x^2 + 2x - 5) & .2 = (f(x) = 4x^3 - 3) \\ .3 = (f(x) = 5x^7 + x^6 - 2x^4 - 4x^2) & .4 = \left( f(x) = \frac{3}{2}x^3 + \frac{4}{5}x + \frac{1}{2} \right) \\ .5 = \left( f(x) = 2x + \frac{1}{\sqrt{x}} - 4\sqrt{x} \right) & .6 = \left( f(x) = x^{(2/5)} + \frac{1}{x^{(5/2)}} + x^{(5/2)} + \frac{1}{x^{(2/5)}} \right) \\ .7 = (f(x) = (4x^2 + 2x + 1)(x^2 - 4)) & .8 = (f(x) = (\sqrt{x} + 2)(x - 1)) \\ .9 = \left( f(x) = \frac{5x + 1}{3x - 5} \right) & .10 = \left( f(x) = \frac{3 - 2x^3}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{5}{x} + \frac{3}{x^2} \right) (x^5 + 4) \right) & .12 = \left( f(x) = (3x^4 + 4x^3) \left[ \frac{x + 4}{x - 3} \right] \right) \end{array} \right],$$

$$No04 = \left[ \begin{array}{l} .1 = \left[ f(x) = 2x + \frac{1}{\sqrt{x}} - 4\sqrt{x}, a = 1 \right] \\ .2 = [f(x) = 5x^7 + x^6 - 2x^4 - 4x^2, a = -2] \end{array} \right]$$

$$No01 = \begin{bmatrix} .1 = (f(x) = 4x^2 - 3x - 1) \\ .2 = (f(x) = 3x^3 - 2) \\ .3 = \left(f(x) = \frac{6}{x}\right) \\ .4 = (f(x) = 5x^{(1/3)}) \end{bmatrix}, \quad No02 = \begin{bmatrix} .1 = [f(x) = 6x^3 - 1, a = 3] \\ .2 = \left[f(x) = \frac{6}{x^2}, a = -3\right] \end{bmatrix}$$

$$No03 = \left[ \begin{array}{ll} .1 = (f(x) = 4x^2 - 3x - 1) & .2 = (f(x) = 3x^3 - 2) \\ .3 = (f(x) = 3x^7 + 5x^3 + 2x + 5) & .4 = \left( f(x) = \frac{3}{5}x^5 - \frac{1}{3}x^3 + \frac{3}{4}x^2 \right) \\ .5 = \left( f(x) = 3x - \frac{1}{\sqrt{x}} - 3\sqrt{x} \right) & .6 = \left( f(x) = \frac{1}{x^{(1/5)}} + x^{(4/5)} + \frac{1}{x^{(5/4)}} + x^{(5/4)} \right) \\ .7 = (f(x) = (4x^2 + x + 1)(x + 5)) & .8 = (f(x) = (\sqrt{x} + 1)(x - 5)) \\ .9 = \left( f(x) = \frac{5 + 3x}{5x - 2} \right) & .10 = \left( f(x) = \frac{4x^3 - x^5}{\sqrt{x}} \right) \\ .11 = \left( f(x) = \left( \frac{5}{x^2} + \frac{4}{x^3} \right) (3x^5 + 1) \right) & .12 = \left( f(x) = (5x^4 + x^2) \left[ \frac{x + 5}{x - 1} \right] \right) \end{array} \right], \quad , \quad \left[ \begin{array}{l} \left[ \begin{array}{l} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[ \begin{array}{l} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \end{array} \right]$$

$$No04 = \begin{bmatrix} .1 = [\text{f}(x) = 3x^7 + 5x^3 + 2x + 5, a = -2] \\ .2 = \left[ \text{f}(x) = 3x - \frac{1}{\sqrt{x}} - 3\sqrt{x}, a = 4 \right] \end{bmatrix}$$









[illegible]