

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

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

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

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

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

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

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

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

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

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

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

$$No04 = \left[\begin{matrix} .1 = \left[f(x) = \sqrt{x} + 2x + \frac{4}{\sqrt{x}}, a = 4 \right] \\ .2 = [f(x) = 5x^7 - x^6 + 4x^5 - 5x^3, a = -2] \end{matrix} \right]$$

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

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

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

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

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

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

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

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

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

