

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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