

[illegible]

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

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

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

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

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

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

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

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

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

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