

$$\text{Ans1} = \begin{bmatrix} .1 = (f(x) = 6x + 5) \\ .2 = (f(x) = 15x^2) \\ .3 = \left(f(x) = -\frac{6}{x^2} \right) \\ .4 = \left(f(x) = \frac{3}{2\sqrt{x}} \right) \end{bmatrix}, \text{ Ans2} = \begin{bmatrix} .1 = (f(4) = 144) \\ .2 = (f(1) = -4) \end{bmatrix}, \text{ Ans4} = \begin{bmatrix} .1 = [f(-2) = 2528] \\ .2 = \left[f(4) = \frac{75}{16} \right] \end{bmatrix}$$

$$\text{Ans3} = \begin{bmatrix} .1 = (f(x) = 6x + 5) \\ .3 = (f(x) = 28x^6 - 18x^5 + 10x^4) \\ .5 = \left(f(x) = \frac{2}{\sqrt{x}} - \frac{5}{2x^{(3/2)}} + 4 \right) \\ .7 = (f(x) = 80x^3 + 22x + 48x^2 - 4) \\ .9 = \left(f(x) = \frac{11}{(5x + 1)^2} \right) \\ .11 = \left(f(x) = \frac{30x^6 + 5x^5 - 18x - 8}{x^5} \right) \\ .2 = (f(x) = 15x^2) \\ .4 = \left(f(x) = 2x^2 - \frac{8}{3}x \right) \\ .6 = \left(f(x) = \frac{5}{6x^{(1/6)}} - \frac{5}{6x^{(11/6)}} - \frac{6}{5x^{(11/5)}} + \frac{6x^{(1/5)}}{5} \right) \\ .8 = \left(f(x) = \frac{3x + 2\sqrt{x} - 2}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = -\frac{3(-1 + 12x^4)}{2\sqrt{x}} \right) \\ .12 = \left(f(x) = \frac{6x^3 + 17x^2 - 60x - 24}{(x + 3)^2} \right) \end{bmatrix}, \begin{bmatrix} .: \\ .:(\\ \left[\left[\begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \right] \\ \& \\ \left[\left[\begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \right] \\ .: \\ .:(\end{bmatrix}$$

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$$Ans1 = \left[\begin{array}{l} .1 = (f(x) = 6x + 2) \\ .2 = (f(x) = 12x^2) \\ .3 = \left(f(x) = -\frac{2}{x^2} \right) \\ .4 = \left(f(x) = \frac{5}{2\sqrt{x}} \right) \end{array} \right], \quad , \quad Ans2 = \left[\begin{array}{l} .1 = (f(4) = 240) \\ .2 = \left(f(3) = \frac{-4}{27} \right) \end{array} \right], \quad , \quad Ans4 = \left[\begin{array}{l} .1 = \left[f(4) = \frac{69}{16} \right] \\ .2 = [f(2) = 507] \end{array} \right]$$

$$Ans3 = \left[\begin{array}{l} .1 = (f(x) = 6x + 2) \\ .3 = (f(x) = 12x^5 + 5x^4 + 12x^2 - 5) \\ .5 = \left(f(x) = -\frac{3}{2x^{(3/2)}} + 4 + \frac{1}{\sqrt{x}} \right) \\ .7 = (f(x) = 16x^3 + 24x^2 - 28x + 4) \\ .9 = \left(f(x) = -\frac{18}{(5x - 3)^2} \right) \\ .11 = \left(f(x) = \frac{2x^6 - 26x^3 - 100}{x^6} \right) \end{array} \right], \quad \left[\begin{array}{l} .2 = (f(x) = 12x^2) \\ .4 = \left(f(x) = \frac{20}{3}x^4 - \frac{5}{2}x^2 - \frac{1}{2} \right) \\ .6 = \left(f(x) = -\frac{5}{4x^{(9/4)}} - \frac{1}{5x^{(6/5)}} + \frac{1}{5x^{(4/5)}} - \frac{4}{5x^{(9/5)}} \right) \\ .8 = \left(f(x) = \frac{3x - 5 + 4\sqrt{x}}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = \frac{x^{(3/2)}(25 + 18x^2)}{2} \right) \\ .12 = \left(f(x) = \frac{25x^6 + 170x^5 + 125x^4 - x^2 - 10x - 5}{(x + 5)^2} \right) \end{array} \right], \quad \left[\begin{array}{l} :) \\ :(\\ \left[\begin{array}{l} P \\ V \\ S \\ S \end{array} \right] \\ & \\ \left[\begin{array}{l} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{array} \right]$$

$$\text{Ans1} = \left[\begin{array}{l} .1 = (f(x) = 2x + 2) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{5}{x^2} \right) \\ .4 = \left(f(x) = \frac{1}{\sqrt{x}} \right) \end{array} \right], \quad \text{Ans2} = \left[\begin{array}{l} .1 = (f(4) = 192) \\ .2 = (f(-1) = 4) \end{array} \right], \quad \text{Ans4} = \left[\begin{array}{l} .1 = [f(-2) = 2300] \\ .2 = \left[f(1) = \frac{15}{2} \right] \end{array} \right]$$

$$\text{Ans3} = \left[\begin{array}{ll} .1 = (f(x) = 2x + 2) & .2 = (f(x) = 9x^2) \\ .3 = (f(x) = 35x^6 + 12x^2 - 6x) & .4 = \left(f(x) = \frac{25}{3}x^4 - \frac{16}{5}x^3 \right) \\ .5 = \left(f(x) = \frac{3}{2\sqrt{x}} + \frac{1}{x^{(3/2)}} + 5 \right) & .6 = \left(f(x) = -\frac{5}{4x^{(9/4)}} + \frac{1}{5x^{(4/5)}} + \frac{4}{5x^{(1/5)}} - \frac{4}{5x^{(9/5)}} \right) \\ .7 = (f(x) = -6x + 27x^2 - 14) & .8 = \left(f(x) = \frac{3x + 10\sqrt{x} + 4}{2\sqrt{x}} \right) \\ .9 = \left(f(x) = -\frac{28}{(5x+1)^2} \right) & .10 = \left(f(x) = \frac{18x^4 + 1}{2\sqrt{x}} \right) \\ .11 = \left(f(x) = \frac{48x^7 + 6x^5 - 20x^2 - 15}{x^4} \right) & .12 = \left(f(x) = \frac{25x^6 + 20x^5 - 500x^4 + 2x^2 + 16x - 40}{(x+4)^2} \right) \end{array} \right], \quad \left[\begin{array}{c} :) \\ :(\\ \left[\begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[\begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{array} \right]$$

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$$\text{Ans1} = \left[\begin{array}{l} .1 = (f(x) = 8x + 1) \\ .2 = (f(x) = 12x^2) \\ .3 = \left(f(x) = -\frac{3}{x^2} \right) \\ .4 = \left(f(x) = \frac{2}{\sqrt{x}} \right) \end{array} \right], \quad \text{Ans2} = \left[\begin{array}{l} .1 = (f(2) = 24) \\ .2 = \left(f(3) = \frac{-4}{27} \right) \end{array} \right], \quad \text{Ans4} = \left[\begin{array}{l} .1 = [f(-2) = 2340] \\ .2 = \left[f(4) = \frac{-11}{4} \right] \end{array} \right]$$

$$\text{Ans3} = \left[\begin{array}{l} .1 = (f(x) = 8x + 1) \\ .3 = (f(x) = 35x^6 + 10x^4 - 15x^2) \\ .5 = \left(f(x) = -\frac{2}{x^{(3/2)}} - 3 + \frac{1}{\sqrt{x}} \right) \\ .7 = (f(x) = 45x^2 + 2x - 14) \\ .9 = \left(f(x) = -\frac{21}{(2x + 3)^2} \right) \\ .11 = \left(f(x) = \frac{30x^8 - 11x^4 - 15}{x^6} \right) \end{array} \right], \quad \left[\begin{array}{l} .2 = (f(x) = 12x^2) \\ .4 = \left(f(x) = x^4 + \frac{20}{3}x^3 + 2x^2 \right) \\ .6 = \left(f(x) = \frac{2}{3x^{(1/3)}} + \frac{3\sqrt{x}}{2} + \frac{1}{3x^{(2/3)}} - \frac{1}{3x^{(4/3)}} \right) \\ .8 = \left(f(x) = -\frac{-3x + 2\sqrt{x} + 5}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = \frac{x^{(3/2)}(25 + 13x^4)}{2} \right) \\ .12 = \left(f(x) = \frac{6x^3 - 13x^2 - 20x - 4}{(x - 2)^2} \right) \end{array} \right], \quad \left[\begin{array}{l} :) \\ :(\\ \left[\begin{array}{l} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[\begin{array}{l} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{array} \right]$$

$$Ans1 = \begin{bmatrix} .1 = (f(x) = 4 + 6x) \\ .2 = (f(x) = 12x^2) \\ .3 = \left(f(x) = -\frac{2}{x^2}\right) \\ .4 = \left(f(x) = \frac{5}{2\sqrt{x}}\right) \end{bmatrix}, \quad Ans2 = \begin{bmatrix} .1 = (f(6) = 540) \\ .2 = (f(1) = -4) \end{bmatrix}, \quad Ans4 = \begin{bmatrix} .1 = \left[f(4) = \frac{73}{16}\right] \\ .2 = [f(2) = 2592] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = (f(x) = 4 + 6x) & .2 = (f(x) = 12x^2) \\ .3 = (f(x) = 35x^6 + 20x^4 + 4x^3) & .4 = \left(f(x) = \frac{25}{6}x^4 - \frac{9}{5}x^2 - \frac{10}{3}x\right) \\ .5 = \left(f(x) = -\frac{3}{2x^{(3/2)}} + 5 - \frac{1}{2\sqrt{x}}\right) & .6 = \left(f(x) = \frac{2}{3x^{(1/3)}} + \frac{3\sqrt{x}}{2} + \frac{1}{3x^{(2/3)}} - \frac{1}{3x^{(4/3)}}\right) \\ .7 = (f(x) = 30x^2 + 12x + 16x^3 + 1) & .8 = \left(f(x) = \frac{3x + 10\sqrt{x} - 2}{2\sqrt{x}}\right) \\ .9 = \left(f(x) = -\frac{19}{(4x - 3)^2}\right) & .10 = \left(f(x) = \frac{5 + 13x^6}{2\sqrt{x}}\right) \\ .11 = \left(f(x) = \frac{10x^6 - 8x^4 - 15x^2 - 20}{x^6}\right) & .12 = \left(f(x) = \frac{15x^4 - 22x^3 - 328x^2 - 160x}{(x - 4)^2}\right) \end{bmatrix}, \quad \begin{bmatrix} :) \\ :(\\ [P] \\ V \\ S \\ S \\ & \\ [M] \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \\ :) \\ :(\end{bmatrix}$$

$$Ans1 = \left[\begin{array}{l} .1 = (f(x) = 4x + 1) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{3}{x^2} \right) \\ .4 = \left(f(x) = \frac{3}{\sqrt{x}} \right) \end{array} \right], \quad Ans2 = \left[\begin{array}{l} .1 = (f(5) = 300) \\ .2 = (f(1) = -12) \end{array} \right], \quad Ans4 = \left[\begin{array}{l} .1 = \left[f(4) = \frac{59}{16} \right] \\ .2 = [f(-2) = -552] \end{array} \right]$$

$$Ans3 = \left[\begin{array}{ll} \begin{array}{l} .1 = (f(x) = 4x + 1) \\ .3 = (f(x) = 18x^5 - 8x^3 - 9x^2 + 2x) \\ .5 = \left(f(x) = 5 - \frac{2}{\sqrt{x}} - \frac{5}{2x^{(3/2)}} \right) \\ .7 = (f(x) = 40x^3 + 39x^2 + 18x + 4) \\ .9 = \left(f(x) = -\frac{19}{(5x-1)^2} \right) \\ .11 = \left(f(x) = \frac{-15x^2 - 32x - 15}{x^6} \right) \end{array} & \begin{array}{l} .2 = (f(x) = 9x^2) \\ .4 = \left(f(x) = \frac{8}{3}x^3 + \frac{9}{4}x^2 + \frac{1}{2} \right) \\ .6 = \left(f(x) = \frac{3}{4x^{(1/4)}} - \frac{4}{3x^{(7/3)}} - \frac{1}{4x^{(5/4)}} + \frac{4x^{(1/3)}}{3} \right) \\ .8 = \left(f(x) = -\frac{-3x + 2\sqrt{x-4}}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = \frac{x^{(3/2)}(18x^2 + 5)}{2} \right) \\ .12 = \left(f(x) = \frac{20x^5 + 55x^4 - 240x^3 + x^2 + 8x - 12}{(x+4)^2} \right) \end{array} \end{array} \right], \quad , \quad \left[\begin{array}{l} :) \\ :(\\ \left[\left[\begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \right] \\ & \\ \left[\left[\begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \right] \\ :) \\ :(\end{array} \right]$$

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$$Ans1 = \begin{bmatrix} .1 = (f(x) = 10x - 1) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{4}{x^2} \right) \\ .4 = \left(f(x) = \frac{1}{\sqrt{x}} \right) \end{bmatrix}, \quad Ans2 = \begin{bmatrix} .1 = (f(6) = 432) \\ .2 = \left(f(-2) = \frac{3}{4} \right) \end{bmatrix}, \quad Ans4 = \begin{bmatrix} .1 = [f(2) = 179] \\ .2 = \left[f(1) = \frac{7}{2} \right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = (f(x) = 10x - 1) & .2 = (f(x) = 9x^2) \\ .3 = (f(x) = 5x^4 + 8x^3 + 9x^2 - 1) & .4 = \left(f(x) = \frac{9}{2}x^2 + 5x \right) \\ .5 = \left(f(x) = -\frac{3}{2x^{(3/2)}} + \frac{2}{\sqrt{x}} + 3 \right) & .6 = \left(f(x) = \frac{1}{4x^{(3/4)}} - \frac{3}{4x^{(7/4)}} + \frac{4x^{(1/3)}}{3} - \frac{1}{4x^{(5/4)}} \right) \\ .7 = (f(x) = 60x^3 + 48x^2 + 48x + 8) & .8 = \left(f(x) = \frac{3x + 4\sqrt{x} + 5}{2\sqrt{x}} \right) \\ .9 = \left(f(x) = -\frac{34}{(5x - 3)^2} \right) & .10 = \left(f(x) = -\frac{5(x^3 + 1)}{2x^{(3/2)}} \right) \\ .11 = \left(f(x) = \frac{-20x^3 - 30x^2 - 24x - 24}{x^5} \right) & .12 = \left(f(x) = \frac{3x^4 - 6x^3 - 4x^2 - 8x - 4}{(x - 2)^2} \right) \end{bmatrix}, \quad \begin{bmatrix} :) \\ :(\\ \left[\begin{matrix} P \\ V \\ S \\ S \end{matrix} \right] \\ & \\ \left[\begin{matrix} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{matrix} \right] \\ :) \\ :(\end{bmatrix}$$

$$Ans1 = \left[\begin{array}{l} .1 = (f(x) = 10x + 3) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{3}{x^2} \right) \\ .4 = \left(f(x) = \frac{5}{2\sqrt{x}} \right) \end{array} \right], \quad , \quad Ans2 = \left[\begin{array}{l} .1 = (f(4) = 96) \\ .2 = (f(1) = -12) \end{array} \right], \quad , \quad Ans4 = \left[\begin{array}{l} .1 = [f(-2) = 993] \\ .2 = [f(1) = 6] \end{array} \right]$$

$$Ans3 = \left[\begin{array}{l} .1 = (f(x) = 10x + 3) \\ .3 = (f(x) = 14x^6 - 12x^3 + 1) \\ .5 = \left(f(x) = 2 + \frac{5}{2x^{(3/2)}} + \frac{3}{2\sqrt{x}} \right) \\ .7 = (f(x) = 12x^3 + 18x^2 + 4x + 10) \\ .9 = \left(f(x) = -\frac{8}{(5x-1)^2} \right) \\ .11 = \left(f(x) = \frac{20x^4 - 19x^2 - 9}{x^4} \right) \end{array} \right], \quad , \quad \left[\begin{array}{l} .2 = (f(x) = 9x^2) \\ .4 = \left(f(x) = \frac{16}{3}x^3 + \frac{5}{2}x^2 - \frac{8}{5}x \right) \\ .6 = \left(f(x) = -\frac{1}{5x^{(6/5)}} + \frac{5x^{(2/3)}}{3} - \frac{5}{3x^{(8/3)}} - \frac{3}{5x^{(8/5)}} \right) \\ .8 = \left(f(x) = \frac{3x - 3 + 8\sqrt{x}}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = -\frac{x^{(7/2)}(-27 + 13x^2)}{2} \right) \\ .12 = \left(f(x) = \frac{-8x^5 - 33x^4 + 54x^2}{(x+3)^2} \right) \end{array} \right], \quad , \quad \left[\begin{array}{l} :) \\ :(\\ P \\ V \\ S \\ S \\ & \\ M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \\ :) \\ :(\end{array} \right]$$

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$$\text{Ans1} = \begin{bmatrix} .1 = (f(x) = 2x + 2) \\ .2 = (f(x) = 12x^2) \\ .3 = \left(f(x) = -\frac{2}{x^2}\right) \\ .4 = \left(f(x) = \frac{2}{\sqrt{x}}\right) \end{bmatrix}, \quad \text{Ans2} = \begin{bmatrix} .1 = (f(4) = 240) \\ .2 = \left(f(2) = \frac{-3}{4}\right) \end{bmatrix}, \quad \text{Ans4} = \begin{bmatrix} .1 = \left[f(1) = \frac{-1}{2}\right] \\ .2 = [f(2) = 1176] \end{bmatrix}$$

$$\text{Ans3} = \begin{bmatrix} .1 = (f(x) = 2x + 2) \\ .3 = (f(x) = 30x^5 + 20x^4 - 12x^3 - 4x) \\ .5 = \left(f(x) = 1 - \frac{5}{2\sqrt{x}} + \frac{1}{x^{(3/2)}}\right) \\ .7 = (f(x) = 12x^2 + 26x + 12) \\ .9 = \left(f(x) = -\frac{27}{(3x - 4)^2}\right) \\ .11 = \left(f(x) = \frac{-10x^3 - 15x^2 - 12x - 15}{x^6}\right) \\ .2 = (f(x) = 12x^2) \\ .4 = \left(f(x) = \frac{25}{2}x^4 - 5x^3 + \frac{4}{3}x\right) \\ .6 = \left(f(x) = -\frac{3}{2x^{(5/2)}} - \frac{1}{3x^{(4/3)}} + \frac{3\sqrt{x}}{2} + \frac{1}{3x^{(2/3)}}\right) \\ .8 = \left(f(x) = \frac{3x + 4 + 6\sqrt{x}}{2\sqrt{x}}\right) \\ .10 = \left(f(x) = -\frac{15x^3 + 4}{2x^{(3/2)}}\right) \\ .12 = \left(f(x) = \frac{15x^6 + 48x^5 + 30x^4 - x^2 - 4x - 2}{(x + 2)^2}\right) \end{bmatrix}, \quad \begin{bmatrix} :) \\ :(\\ \left[\begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[\begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{bmatrix}$$

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$$Ans1 = \left[\begin{array}{l} .1 = (f(x) = 3 + 4x) \\ .2 = (f(x) = 6x^2) \\ .3 = \left(f(x) = -\frac{3}{x^2} \right) \\ .4 = \left(f(x) = \frac{5}{2\sqrt{x}} \right) \end{array} \right], \quad Ans2 = \left[\begin{array}{l} .1 = (f(2) = 60) \\ .2 = \left(f(-2) = \frac{3}{2} \right) \end{array} \right], \quad Ans4 = \left[\begin{array}{l} .1 = [f(-2) = -536] \\ .2 = \left[f(1) = \frac{13}{2} \right] \end{array} \right]$$

$$Ans3 = \left[\begin{array}{l} .1 = (f(x) = 3 + 4x) \\ .3 = (f(x) = 24x^5 + 15x^4 + 4x) \\ .5 = \left(f(x) = 3 + \frac{5}{2x^{(3/2)}} + \frac{1}{\sqrt{x}} \right) \\ .7 = (f(x) = 48x^2 + 24x + 14) \\ .9 = \left(f(x) = -\frac{16}{(x-5)^2} \right) \\ .11 = \left(f(x) = \frac{-6x^4 - 30x^3 - 8x - 25}{x^6} \right) \end{array} \right], \left[\begin{array}{l} .2 = (f(x) = 6x^2) \\ .4 = \left(f(x) = \frac{5}{2}x^4 - \frac{6}{5}x + \frac{3}{2} \right) \\ .6 = \left(f(x) = -\frac{4}{3x^{(7/3)}} + \frac{3}{4x^{(1/4)}} + \frac{1}{4x^{(3/4)}} - \frac{3}{4x^{(7/4)}} \right) \\ .8 = \left(f(x) = -\frac{-3x + 4\sqrt{x} - 1}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = \frac{39x^7 + 2}{2x^{(3/2)}} \right) \\ .12 = \left(f(x) = \frac{16x^5 + 19x^4 - 32x^3 - 30x^2}{(x-1)^2} \right) \end{array} \right], \left[\begin{array}{l} :) \\ :(\\ \left[\begin{array}{l} P \\ V \\ S \\ S \end{array} \right] \\ & \\ \left[\begin{array}{l} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{array} \right]$$

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$$\text{Ans1} = \left[\begin{array}{l} .1 = (f(x) = 10x - 1) \\ .2 = (f(x) = 12x^2) \\ .3 = \left(f(x) = -\frac{4}{x^2} \right) \\ .4 = \left(f(x) = \frac{2}{3x^{(2/3)}} \right) \end{array} \right], \quad \text{Ans2} = \left[\begin{array}{l} .1 = (f(2) = 36) \\ .2 = \left(f(2) = \frac{-5}{4} \right) \end{array} \right], \quad \text{Ans4} = \left[\begin{array}{l} .1 = [f(-2) = -452] \\ .2 = [f(1) = 4] \end{array} \right]$$

$$\text{Ans3} = \left[\begin{array}{ll} .1 = (f(x) = 10x - 1) & .2 = (f(x) = 12x^2) \\ .3 = (f(x) = 12x^5 + 16x^3 + 15x^2) & .4 = \left(f(x) = \frac{15x^2}{2} + \frac{1}{3} \right) \\ .5 = \left(f(x) = -\frac{3}{2x^{(3/2)}} + 5 + \frac{1}{2\sqrt{x}} \right) & .6 = \left(f(x) = \frac{4}{5x^{(1/5)}} - \frac{1}{5x^{(6/5)}} - \frac{4}{5x^{(9/5)}} - \frac{5}{4x^{(9/4)}} \right) \\ .7 = (f(x) = 12x^3 + 60x^2 + 74x + 20) & .8 = \left(f(x) = -\frac{-3x + 1 + 4\sqrt{x}}{2\sqrt{x}} \right) \\ .9 = \left(f(x) = -\frac{9}{(5x - 2)^2} \right) & .10 = \left(f(x) = \frac{x^{(3/2)}(9x^2 + 10)}{2} \right) \\ .11 = \left(f(x) = \frac{-12x^3 - 16x^2 - 45x - 40}{x^5} \right) & .12 = \left(f(x) = \frac{3x^4 + 22x^3 + 11x^2 - 40x - 20}{(x + 5)^2} \right) \end{array} \right], \quad \left[\begin{array}{c} :) \\ :(\\ \left[\begin{array}{c} P \\ V \\ S \\ S \end{array} \right] \\ \& \\ \left[\begin{array}{c} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{array} \right] \\ :) \\ :(\end{array} \right]$$

$$Ans1 = \begin{bmatrix} .1 = (f(x) = 8x + 3) \\ .2 = (f(x) = 6x^2) \\ .3 = \left(f(x) = -\frac{5}{x^2} \right) \\ .4 = \left(f(x) = \frac{1}{\sqrt{x}} \right) \end{bmatrix}, \quad Ans2 = \begin{bmatrix} .1 = (f(6) = 432) \\ .2 = \left(f(3) = \frac{-10}{27} \right) \end{bmatrix}, \quad Ans4 = \begin{bmatrix} .1 = [f(2) = 542] \\ .2 = \left[f(1) = \frac{-7}{2} \right] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = (f(x) = 8x + 3) & .2 = (f(x) = 6x^2) \\ .3 = (f(x) = 7x^6 + 12x^3 - 2) & .4 = \left(f(x) = \frac{3}{2}x^2 + \frac{10}{3}x \right) \\ .5 = \left(f(x) = \frac{1}{2\sqrt{x}} - 3 - \frac{1}{x^{(3/2)}} \right) & .6 = \left(f(x) = \frac{2}{3x^{(1/3)}} + \frac{3\sqrt{x}}{2} + \frac{1}{3x^{(2/3)}} - \frac{1}{3x^{(4/3)}} \right) \\ .7 = (f(x) = 60x^2 - 12) & .8 = \left(f(x) = -\frac{-3x - 5 + 8\sqrt{x}}{2\sqrt{x}} \right) \\ .9 = \left(f(x) = -\frac{17}{(2x - 3)^2} \right) & .10 = \left(f(x) = -\frac{3x^{(7/2)}(-15 + 13x^2)}{2} \right) \\ .11 = \left(f(x) = \frac{60x^7 + 15x^5 - 16x^2 - 24}{x^5} \right) & .12 = \left(f(x) = \frac{10x^3 + 38x^2 - 42x - 18}{(x + 3)^2} \right) \end{bmatrix}, \quad \begin{bmatrix} :) \\ :(\\ \left[\begin{bmatrix} P \\ V \\ S \\ S \end{bmatrix} \right] \\ & \\ \left[\begin{bmatrix} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{bmatrix} \right] \\ :) \\ :(\end{bmatrix}$$

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$$Ans1 = \begin{bmatrix} .1 = (f(x) = 4x + 1) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{4}{x^2}\right) \\ .4 = \left(f(x) = \frac{5}{3x^{(2/3)}}\right) \end{bmatrix}, \quad Ans2 = \begin{bmatrix} .1 = (f(4) = 240) \\ .2 = \left(f(3) = \frac{-4}{27}\right) \end{bmatrix}, \quad Ans4 = \begin{bmatrix} .1 = \left[f(1) = \frac{7}{2}\right] \\ .2 = [f(-2) = -342] \end{bmatrix}$$

$$Ans3 = \begin{bmatrix} .1 = (f(x) = 4x + 1) \\ .3 = (f(x) = 12x^5 + 5x^4 - 9x^2 - 2) \\ .5 = \left(f(x) = -\frac{2}{x^{(3/2)}} + \frac{3}{2\sqrt{x}} + 4\right) \\ .7 = (f(x) = 80x^3 - 62x + 75x^2 - 20) \\ .9 = \left(f(x) = -\frac{21}{(5x + 1)^2}\right) \\ .11 = \left(f(x) = \frac{-5x^4 - 10x^3 - 16x - 20}{x^6}\right) \end{bmatrix}, \quad \begin{bmatrix} .2 = (f(x) = 9x^2) \\ .4 = \left(f(x) = \frac{4}{3}x^3 + \frac{9}{5}x^2 + \frac{5}{6}\right) \\ .6 = \left(f(x) = \frac{3\sqrt{x}}{2} - \frac{2}{3x^{(5/3)}} + \frac{1}{3x^{(2/3)}} + \frac{2}{3x^{(1/3)}}\right) \\ .8 = \left(f(x) = \frac{3x + 1 + 8\sqrt{x}}{2\sqrt{x}}\right) \\ .10 = \left(f(x) = \frac{x^{(7/2)}(65x^2 + 27)}{2}\right) \\ .12 = \left(f(x) = \frac{-3x^4 - 10x^3 - x^2 + 20x + 10}{(x + 2)^2}\right) \end{bmatrix}, \quad \begin{bmatrix} :) \\ : (\\ \left[\begin{matrix} P \\ V \\ S \\ S \end{matrix} \right] \\ & \\ \left[\begin{matrix} M \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \end{matrix} \right] \\ :) \\ : (\end{bmatrix}$$

$$Ans1 = \left[\begin{array}{l} .1 = (f(x) = 2x - 2) \\ .2 = (f(x) = 9x^2) \\ .3 = \left(f(x) = -\frac{4}{x^2} \right) \\ .4 = \left(f(x) = \frac{3}{2\sqrt{x}} \right) \end{array} \right], \quad , \quad Ans2 = \left[\begin{array}{l} .1 = (f(6) = 540) \\ .2 = \left(f(3) = \frac{-10}{27} \right) \end{array} \right], \quad , \quad Ans4 = \left[\begin{array}{l} .1 = \left[f(4) = \frac{55}{16} \right] \\ .2 = [f(2) = 49] \end{array} \right]$$

$$Ans3 = \left[\begin{array}{l} .1 = (f(x) = 2x - 2) \\ .3 = (f(x) = 15x^2 - 4x - 3) \\ .5 = \left(f(x) = 4 - \frac{1}{\sqrt{x}} - \frac{1}{2x^{(3/2)}} \right) \\ .7 = (f(x) = 36x^3 + 45x^2 + 6x - 20) \\ .9 = \left(f(x) = -\frac{28}{(x+5)^2} \right) \\ .11 = \left(f(x) = \frac{-3x^2 - 20x - 24}{x^4} \right) \end{array} \right], \quad \left[\begin{array}{l} .2 = (f(x) = 9x^2) \\ .4 = \left(f(x) = \frac{3x^2}{5} + \frac{4}{5} \right) \\ .6 = \left(f(x) = -\frac{1}{4x^{(5/4)}} + \frac{4x^{(1/3)}}{3} + \frac{1}{4x^{(3/4)}} + \frac{3}{4x^{(1/4)}} \right) \\ .8 = \left(f(x) = -\frac{-3x + 2\sqrt{x} + 5}{2\sqrt{x}} \right) \\ .10 = \left(f(x) = -\frac{-3 + 25x^2}{2\sqrt{x}} \right) \\ .12 = \left(f(x) = \frac{20x^5 + 116x^4 - 64x^3 - 30x^2}{(x+5)^2} \right) \end{array} \right], \quad \left[\begin{array}{l} :) \\ :(\\ [P] \\ V \\ S \\ S \\ & \\ [M] \\ a \\ t \\ h \\ @ \\ M \\ U \\ T \\ :) \\ :(\end{array} \right]$$

