

Find this Quotient.

$$\frac{4x^{4} + 25x^{3} - x^{2} - 19x + 3}{x^{2} + 6x - 1} =$$

$$\frac{4x^{2} + 6x - 1}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

$$\frac{4x^{2} + x - 3}{\sqrt{2} + 6x - 1}$$

Find this quotient: $\frac{3x^4 + x^3 + x^2 + 2x - 10}{x^2 + 2} = \frac{3x^4 + x^3 + x^2 + 2x - 10}{x^2 + 2}$ $x^2 + 0x + 2\sqrt{3x^4 + x^3 + x^2 + 2x - 10}$ $x^3 - 5x^4 + 0x^3 + 6x^2$ $-\frac{x^3 - 5x^2 + 2x}{-5x^4 + 0x^2 + 2x}$ $-\frac{x^3 + 0x^2 + 2x}{-5x^4 + 0x^2 - 10}$

Using the "Box" for Polynomial Division Expand using the Box: x + 4 $x^2 + 9x + 20$ (x+3)(2x-5)-5 $(x+4)() = x^2 + 9x + 20$ 2x +5 $2x^2$ X Х -15 +3 +6x $2x^2 + x - 15$ k = 20= 9

Answer is: x + 5



