

$$P(x) = 3x^4 - 4x^3 - 22x^2 + 15x + 18$$

$$P(x) = 3(x-3)\left(x+\frac{2}{3}\right)(x^2+x-3)$$

in factored form

Rational zeros are $3, -\frac{2}{3}$

the Real (irrational) zeros are $\frac{-1 \pm \sqrt{13}}{2} \approx 1.30$ and -2.30

y-intercept $P(0) = 18$

More points

3	-4	-22	15	18
-2	3	-10	-2	-20
2	3	2	-18	-24

