



Rational Root Theorem - Constant Term (In Order)

$$1 \quad f(x) = 4x^4 + 20x^3 - 80x - 64$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
20	-80	-64	4

$$2 \quad f(x) = 2x^5 + 6x^4 - 10x^3 - 30x^2 + 8x + 24$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
24	2	6	-10

$$3 \quad f(x) = 4x^5 + 24x^4 + 20x^3 - 80x^2 - 144x - 64$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
4	24	20	-64

$$4 \quad f(x) = 5x^3 + 15x^2 - 30x - 40$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
-40	-30	15	5

$$5 \quad f(x) = 4x^4 + 32x^3 + 60x^2 - 32x - 64$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
-64	32	4	60

$$6 \quad f(x) = 4x^4 - 20x^3 + 80x - 64$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
-20	-64	4	80

$$7 \quad f(x) = 2x^4 - 18x^3 + 54x^2 - 62x + 24$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
-18	24	54	2

$$8 \quad f(x) = 5x^5 - 5x^4 - 50x^3 + 50x^2 + 45x - 45$$

Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

A	B	C	D
-50	-5	5	-45