



## Rational Root Theorem - Constant Term (Random Order)

1  $f(x) = 24 + 3x^3 + 42x + 21x^2$

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
21	3	42	24

2  $f(x) = -12x^2 - 6 + 15x + 3x^3$

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
-12	15	3	-6

3  $f(x) = 4x^4 + 24 - 4x^3 - 28x^2 + 4x$

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	4	-28	-4

4  $f(x) = -54 - 48x^2 + 108x + 6x^4 - 12x^3$

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
-48	-12	-54	6

5  $f(x) = -16 - 12x + 12x^3 + 14x^2 + 2x^4$

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
2	-16	14	12

6  $f(x) = -12x + 3x^3 - 6x^2 + 24$

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	-12	-6	3

7 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?

$f(x) = 4x^2 - 10x - 12 + 2x^3$

A	B	C	D
-10	-12	2	4

8 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?

$f(x) = 8x + 4x^3 - 32 + 20x^2$

A	B	C	D
20	-32	4	8