

Algebra/Trig Worksheet
Rational Zero Test & Descartes Rule of Signs

1. $f(x) = x^3 - 2x^2 - 21x - 18$

[REDACTED]
of possible positive zeros:
of possible negative zeros:
Find all the real zeros:

2. $f(x) = 3x^3 - 20x^2 + 7x + 30$

[REDACTED]
of possible positive zeros:
of possible negative zeros:

3. $f(x) = x^3 - 10x^2 + 17x - 8$

[REDACTED];
of possible positive zeros:
of possible negative zeros:
Find all the real zeros:

4. $f(x) = x^3 + 9x^2 + 24x + 20$

of possible positive zeros:

of possible negative zeros:

5. $f(x) = x^4 + x^3 - 11x^2 + x - 12$

of possible positive zeros:

of possible negative zeros:

Find all the real zeros:

6. $f(x) = 24x^4 + 25x^3 + 154x^2 - 4x + 24$

of possible positive zeros:

of possible negative zeros:

7. $f(x) = 4x^3 - 11x^2 + 10x - 3$

[REDACTED]

of possible positive zeros:

of possible negative zeros:

Find all the real zeros:

8. $f(x) = x^3 - 3x^2 + 3x + 2$

[REDACTED]

of possible positive zeros:

of possible negative zeros:

9. $f(x) = 6x^4 - 25x^3 + 14x^2 + 27x - 18$

[REDACTED]

of possible positive zeros:

of possible negative zeros:

Find all the real zeros:

10. $f(x) = x^5 + 2x^3 - 3x - 20$

[REDACTED]

of possible positive zeros:

of possible negative zeros:

Find all the real zeros: