

## Descarte's Rule of Signs.

The maximum number of positive real roots of a polynomial equation  $f(x) = 0$  is the number of changes of sign from positive to negative and negative to positive in  $f(x)$ .

The maximum number of negative real roots of a polynomial equation  $f(x) = 0$  is the number of changes of sign from positive to negative and negative to positive in  $f(-x)$ .