

# Re: a question about reducible polynomials

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In article <30342157.1143937657757.JavaMail.jakarta@xxxxxxxxxxxxxxxxxxxxxxxx>, amanda <suyimesnowfish@xxxxxxxxxxx> wrote:

if  $f(x)$  is a polynomial of integral coefficients with  $\deg(f)=n$ , then why there are infinitely many integers  $m$  such that  $f(x)-m$  is reducible over  $\mathbb{Q}[x]$ , where  $\mathbb{Q}$  means rationals.

Because there are infinitely many linear polynomials  $x-c$  which you can force to be a factor of  $f(x)-m$ .