

If $P(x)$ is a polynomial in x , then $P(x) = 0$ if and only if _____ is

a factor of $P(x)$.

A) x^2

B) r^2

C) $x + r$

D) $x - r$

If $P(x)$ is a polynomial in x , then $P(x) = 0$ if and only if $x - r$ is a factor of $P(x)$.

Answer **D**.

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