# 4.2.3 - Forming Equations Given The Roots

4.2 - Algebra - Solving Equations

Leaving Certificate Mathematics

Ordinary Level ONLY





#### **Q.** Form a quadratic equation from the roots x = -2, 3.

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$$x = -2 \text{ a root} \qquad x = 3 \text{ a root} x + 2 = 0 \qquad x - 3 = 0$$
  
. (x + 2) a factor

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Answer:

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$$(x+2)(x-3)$$

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=  $x^2 - x - 6$