

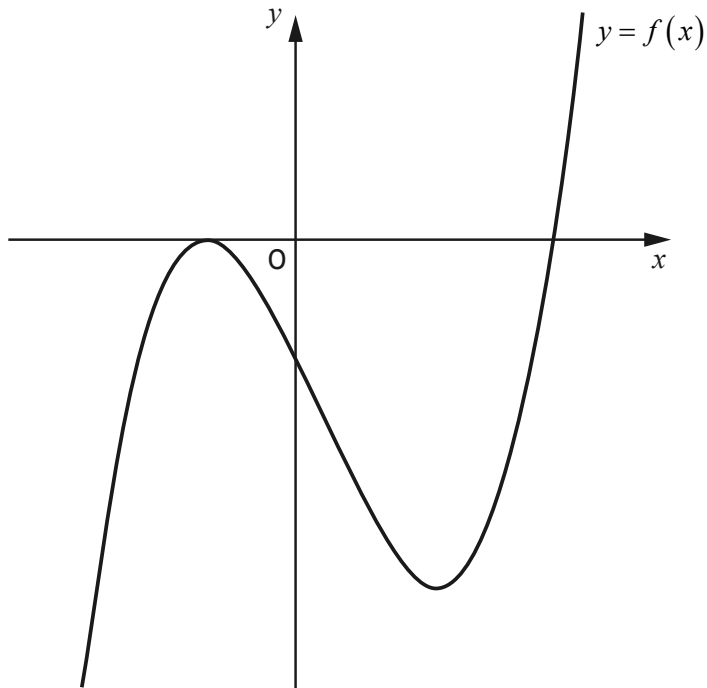
13. (a) (i) Show that $(x+2)$ is a factor of $f(x) = x^3 - 2x^2 - 20x - 24$.

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(ii) Hence, or otherwise, solve $f(x) = 0$.

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The diagram shows the graph of $y = f(x)$.



(b) The graph of $y = f(x-k)$, $k > 0$ has a stationary point at $(1,0)$.

State the value of k .

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