

Start

x is a factor of . . .

$3x^3 + 44x^2 + 135x - 50$

$(x-3)$ is a factor of . . .

$2x^3 + 5x^2 - 73x + 120$

$2x^3 - x^2 - 63x + 90$

$(x-5)$ is a factor of . . .

$6x^3 - 5x^2 - 4x$

$(x+5)$ is a factor of . . .

$3x^3 - 20x^2 - 36x + 32$

$(x+2)$ is a factor of . . .

$3x^3 - 38x^2 + 64x + 160$

$(x-4)$ is a factor of . . .

$2x^3 + 15x^2 + 4x - 21$

$(x-1)$ is a factor of . . .

$2x^3 - 3x^2 - 62x - 105$

$(x+3)$ is a factor of . . .

$2x^3 - 17x^2 + 23x + 42$

Finish? Not yet!
Now fully factorise
each of these cubic
expressions

$3x^3 - 13x^2 - 118x - 72$

$(x+4)$ is a factor of . . .

$(x-2)$ is a factor of . . .

$2x^3 + 13x^2 - 43x + 18$

$(x+1)$ is a factor of . . .