

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 . . .
--	----------------------------	------------------------------	------------------------------	---------------------------	------------------------------