Use the Remainder Theorem to find the remainder (without division) when

1) $x^3 + 4x + 2$ is divisible by $x + 2$	2) x ⁴ - 3x ² + 4x - 12 is divided by x - 3.
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3) $4x^3 - 3x^2 + 5x + 4$ is divided by $2x + 1$	4) $4x^3 + 5x^2 + 6x - 7$ is divided by $2x - 1$
3) 4x - 3x + 3x + 4 is divided by 2x + 1	4) 4x + 3x + 0x - 7 is divided by 2x - 1

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5) $y^3 + y^2 - 2y + 1$ is divided by $y - 3$	6) 2x ³ - 3x ² + 7x - 8 is divided by x - 1
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