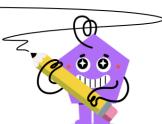


## mobius

## Factor Polynomials (Order 4) - As Quadratic (True/False), Coefficient 1



1			2			
$m^4+6m^2+8$	Is this factoring step correct?		$n^4-49$	Is this factoring step correct?		
$=(m^2+2)(m^2+4)^{A}$		В	$=(n^2+7)(n^2-7)^A$		В	
	Yes	No		Yes	No	
3			4			
$a^4 - 5a^2 - 36$	Is this factoring step correct? $q^4-5q^2-36$			Is this factoring step correct? $p^4-12p^2+35$		
$= (q^2 - 9)(q^2 + 4)^A$		В	$=(p^2-5)(p^2-7)^A$		В	
	Yes	No		Yes	No	
5	Is this factoring step		6	lo this foot	toring aton	
$w^4 - 9w^2 + 20$		ect?	$y^4 - 36$	corr	toring step ect?	
$= (20w^2 + 5)(w^2 - 4)^A$		В	$=(y^2+12)(y^2-12)$ A		В	
	No	Yes		No	Yes	
7			8			
$w^4 - 13w^2 + 40$		toring step ect?	$n^4 + 4n^2 - 45$	Is this factoring step correct?		
$=(w^2-8)(40w^2+5)^A$		В	$=(n^2-5)(n^2+9)^A$		В	
	No	Yes		Yes	No	