M10 - 5.6 - Substitute to Factor, Combined Perfect Squares HW

Substitute the brackets for a variable, factor, the substitute the brackets back to solve.

$4(h-2)^2-8(h-2)+3$

$2(y+3)^2+3(y+3)-9$

$(x+1)^2-(x+1)-12$

$(x-4)^2+8(x-4)+15$

$(2+y)^2+8(2+y)+15$

$3(6-k)^2-8(6-k)+4$

$(x+1)^8-9x^2$

$(x+2)^2-(x-3)^2$

Factor and simplify as much as possible.

x^4-81

x^8-16