

In[1]:= **Factor**[**x**^2 - 5 * **x** + 6]

Out[1]= (-3 + **x**) (-2 + **x**)

In[2]:= **Factor**[**a** * **b**^3 - **a**^3 * **b** + **b** * **c**^3 - **b**^3 * **c** + **c** * **a**^3 - **c**^3 * **a**]

Out[2]= -(a - b) (a - c) (b - c) (a + b + c)

In[3]:= **Expand**[(**a** + **b**)^2]

Out[3]= $a^2 + 2 a b + b^2$