Factoring Difference of Squares

$m^{2}-a^{2}$ $p^{2}-9$

$4m^{2}-16a^{2}$ $36x^{2}-81y^{2}$

$8x^{4}-242y^{4}z^{10}$ $144x^{14}-169y^{6}z^{8}$

Use those 4 to check your understanding.

$x^{100}-z^{14}$ $1-169y^{6}z^{8}$

$47x^{4}-16z^{10}$ $169x^{30}-225^{4}$