

# Review of Factoring

## Factor

Difference of Squares

①  $9x^6 - 64$

②  $16m^2 - 9n^2$

③  $z^8 - 25x^2$

④  $36p^2 - 16q^8$

⑤  $16x^2 - 9y^2$

⑥  $x^2 - y^2$

Greatest Common Factor (GCF)

⑦  $2x - 8$

⑧  $-2x - 8$

⑨  $2x - 8y + 4z$

⑩  $2x^2 - xy$

⑪  $-3z^2 - 6z + 9z^3$

⑫  $x^{10}y^8 - x^{12}y^6$

⑬  $40x^4 - 20x^2 - 10x$

⑭  $-5z^2 - 6z$

⑮  $z^2 - z^5 + 9z^{21}$

Super X!

⑯  $3p^2 - 2p - 5$

⑰  $2n^2 + 3n - 9$

⑱  $3n^2 - 8n + 4$

⑲  $5x^2 + 19x + 12$

⑳  $2v^2 + 11v + 5$

㉑  $2u^2 + 5u + 2$