

Check Your Understanding
Factoring – Difference of Squares, Grouping

Answer these problems, then check your answers using the key on the next page.

#1) Factor this expression completely: $x^2 - 16y^6$

#2) Factor this expression completely: $12ac^2 - 27ah^6$

#3) Factor this expression completely: $4xy - 12x - 10y + 30$

Answers:

$$\#1) (x + 4y^3)(x - 4y^3)$$

$$\#2) 3a(2c + 3h^3)(2c - 3h^3)$$

$$\#3) (y - 3)(4x - 10)$$