mobius

Factor Polynomials (Order 3) - By Grouping, Common Factors to Order 1 Factors, Coefficient 1

1 Which answer is the same expression as this

$$w^2(w + 9) - 9(w + 9)$$

A $\quad (w + 9)(w - 3)(w - 3)$

B $\quad (w + 9)(w - 3)(w + 3)$

2 Which answer is the same expression as this

$$y^2(y - 2) - 64(y - 2)$$

A $\quad (y - 2)(y - 8)(y + 8)$

B $\quad (y - 2)(y + 8)(y + 8)$

3 Which answer is the same expression as this

$$p^2(p + 4) - 4(p + 4)$$

A $\quad (p + 4)(p - 2)(p + 2)$

B $\quad (p - 4)(p + 2)(p - 2)$

4 Which answer is the same expression as this

$$x^2(x + 5) - 16(x + 5)$$

A $\quad (x + 5)(x - 4)(x + 4)$

B $\quad (x - 5)(x + 4)(x - 4)$

5 Which answer is the same expression as this

$$p^2(p + 6) - 16(p + 6)$$

A $\quad (p - 6)(p + 4)(p - 4)$

B $\quad (p + 6)(p - 4)(p + 4)$

6 Which answer is the same expression as this

$$x^2(x + 8) - 16(x + 8)$$

A $\quad (x - 8)(x + 4)(x - 4)$

B $\quad (x + 8)(x - 4)(x + 4)$

7 Which answer is the same expression as this

$$z^2(z + 9) - 4(z + 9)$$

A $\quad (z + 9)(z - 2)(z + 2)$

B $\quad (z - 9)(z + 2)(z + 2)$

8 Which answer is the same expression as this

$$t^2(t - 3) - 4(t - 3)$$

A $\quad (t - 3)(t + 2)(t - 2)$

B $\quad (t - 3)(t + 2)(t + 2)$