1 Consolidate the shared, bracketed factors to simplify

$$6r(7r + 8) + 5(7r + 8)$$

A $(6r - 8)(40r + 5)$

B $(7r + 8)(6r + 5)$

2 Consolidate the shared, bracketed factors to simplify

$$3q(4q + 9) + 8(4q + 9)$$

A $(4q + 9)(3q + 8)$

B $(3q + 9)(q + 8)$

3 Consolidate the shared, bracketed factors to simplify

$$9m(2m + 9) + 7(2m + 9)$$

A $(2m + 9)(m + 7)$

B $(2m + 9)(9m + 7)$

4 Consolidate the shared, bracketed factors to simplify

$$4r(r + 6) + 5(r + 6)$$

A $(r + 6)(4r + 5)$

B $(4r - 6)(30r + 5)$

5 Consolidate the shared, bracketed factors to simplify

$$2w(w + 4) + 7(w + 4)$$

A $(w + 4)(w + 7)$

B $(w + 4)(2w + 7)$

6 Consolidate the shared, bracketed factors to simplify

$$3n(n + 2) + 4(n + 2)$$

A $(10n + 2)(6n + 4)$

B $(n + 2)(3n + 4)$

7 Consolidate the shared, bracketed factors to simplify

$$4z(7z + 4) + 3(7z + 4)$$

A $(7z + 4)(4z + 3)$

B $(4z + 4)(12z + 3)$

8 Consolidate the shared, bracketed factors to simplify

$$8q(q + 8) + 9(q + 8)$$

A $(q + 8)(8q + 9)$

B $(73q - 8)(6q + 9)$