



Algebraic Functions - Simplify to Bracketed Terms, Different Variables, with Coefficient

1 Which answer is the same expression as this

$$8rx + 16x + 4r + 8$$

A $(8r + 8)(5x + 16)$

B $(r + 2)(8x + 4)$

2 Which answer is the same expression as this

$$15px + 45x + 21p + 63$$

A $(5p + 15)(3x + 9)$

B $(3p + 9)(5x + 7)$

3 Which answer is the same expression as this

$$6xq + 30q + 4x + 20$$

A $(x + 5)(6q + 4)$

B $(2x + 2)(5q - 5)$

4 Which answer is the same expression as this

$$30zq + 54q + 35z + 63$$

A $(5z + 5)(9q - 9)$

B $(5z + 9)(6q + 7)$

5 Which answer is the same expression as this

$$6yp + 24p + 6y + 24$$

A $(y + 4)(6p + 6)$

B $(6y + 6)(2p + 24)$

6 Which answer is the same expression as this

$$9mr + 27r + 8m + 24$$

A $(m + 3)(9r + 8)$

B $(9m + 9)(3r + 3)$

7 Which answer is the same expression as this

$$14tp + 14p + 6t + 6$$

A $(2t + 2)(7p + 3)$

B $(t - 2)(7p + 2)$

8 Which answer is the same expression as this

$$3rm + 15m + 2r + 10$$

A $(r + 5)(3m + 2)$

B $(5r + 5)(5m - 5)$