



Algebraic Functions - Simplify to Bracketed Terms, Different Variables

1 Which answer is the same expression as this

$$np + 9p + 2n + 18$$

A $(n - 9)(p + 2)$ B $(n + 9)(p + 2)$

2 Which answer is the same expression as this

$$pm + 5m + 6p + 30$$

A $(p + 30)(m + 11)$
B $(p + 5)(m + 6)$

3 Which answer is the same expression as this

$$ny + 3y + 6n + 18$$

A $(n + 3)(y + 6)$ B $(n + 18)(y + 6)$

4 Which answer is the same expression as this

$$tn + 6n + 6t + 36$$

A $(t + 36)(n + 12)$
B $(t + 6)(n + 6)$

5 Which answer is the same expression as this

$$yt + 2t + 7y + 14$$

A $(y + 2)(t + 7)$ B $(y + 14)(t + 9)$

6 Which answer is the same expression as this

$$rz + 7z + 6r + 42$$

A $(r + 7)(z + 6)$ B $(r + 7)(z - 6)$

7 Which answer is the same expression as this

$$rn + 4n + 5r + 20$$

A $(r + 4)(n + 1)$ B $(r + 4)(n + 5)$

8 Which answer is the same expression as this

$$zq + 8q + 7z + 56$$

A $(z + 8)(q + 7)$ B $(z + 56)(q + 7)$