



Factor the Quadratic Equation with Coefficient - Standard Form To Answer

1 Which answer is the same expression as this $8z^2 + 22z + 15$

A $(z + 3)(22z + 5)$ B $(4z + 3)(z + 5)$

C $(2z + 3)(4z + 5)$ D $(z - 3)(22z + 5)$

E $(4z + 3)(42z - 5)$

2 Which answer is the same expression as this $9q^2 + 27q + 14$

A $(3q - 7)(14q + 2)$ B $(14q - 7)(q + 2)$

C $(3q + 7)(3q + 2)$ D $(27q - 7)(3q + 2)$

E $(27q + 7)(3q + 2)$

3 Which answer is the same expression as this $10y^2 + 31y + 15$

A $(2y + 3)(15y + 5)$ B $(2y + 3)(y + 5)$

C $(31y - 3)(5y + 5)$ D $(5y + 3)(2y + 5)$

E $(y + 3)(31y + 5)$

4 Which answer is the same expression as this $25r^2 - 10r - 8$

A $(10r + 2)(5r - 4)$ B $(10r - 2)(5r + 4)$

C $(5r + 2)(5r - 4)$ D $(5r - 2)(r + 4)$

E $(5r + 2)(r + 4)$

5 Which answer is the same expression as this $4y^2 + 28y + 45$

A $(y + 9)(28y + 5)$ B $(45y - 9)(y + 5)$

C $(2y + 9)(22y - 5)$ D $(28y - 9)(2y + 5)$

E $(2y + 9)(2y + 5)$

6 Which answer is the same expression as this

$$24t^2 - 7t - 6$$

A $(8t + 3)(3t - 2)$ B $(t - 3)(7t + 2)$

C $(7t - 3)(8t + 2)$ D $(3t - 3)(38t - 2)$

E $(3t + 3)(t + 2)$

7 Which answer is the same expression as this

$$10w^2 + 39w + 14$$

A $(2w + 7)(5w + 2)$ B $(w - 7)(39w + 2)$

C $(14w + 7)(w - 2)$ D $(5w + 7)(w + 2)$

E $(5w - 7)(14w + 2)$

8 Which answer is the same expression as this $18r^2 - 41r - 10$

A $(9r - 2)(r + 5)$ B $(2r + 2)(r + 5)$

C $(r - 2)(41r + 5)$ D $(2r + 2)(10r - 5)$

E $(9r + 2)(2r - 5)$