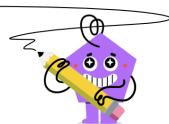


## mobius

## Algebraic Functions - Factor the Quadratic Equation with Coefficient



| Which answer is the same expression as this                                     | $42y^2 + 59y + 20$   | Which answer is the same expression as this                                       | $48d^2 + 72d + 24$  |
|---|--|---|---|
| $^{\sf A} (7y+5)(y+4)$  | $^{B}(20y-5)(y+4)$   | $^{A}(72d-6)(6d+4)$   | $^{\rm B}$ (8 $d+6$ )( $d+4$ )  |
| $^{\text{c}} (6y+5)(y+4)$   | $^{\text{D}}(7y+5)(76y-4)$   | $^{\rm c}(8d+6)(86d-4)$   | $^{\text{D}}(24d-6)(d+4)$   |
| (59y - 5)(6y + 4)   | $^{F}(6y+5)(7y+4)$   | $^{E}(6d+6)(8d+4)$  | $^{F} (6d + 6)(d + 4)$  |
| Which answer is the same expression as this                                     | $12c^2 + 50c + 42$   | Which answer is the same expression as this                                       | $24b^2 + 48b + 24$  |
| $^{A}(42c-6)(c+7)$  | $^{B} (2c+6)(c+7)$   | $^{A}$ (3b + 8)(b + 3)  | $^{B}(8b+8)(3b+3)$  |
| $^{\text{c}}$ $(6c+6)(c+7)$   | $^{\text{D}}(2c+6)(6c+7)$  | <sup>c</sup> (3b+8)(38b-3)  | $^{\text{D}}(48b-8)(8b+3)$  |
| $^{E}(6c+6)(62c-7)$   | $^{F}(50c-6)(2c+7)$  | E(24b-8)(b+3)   | (8b+8)(b+3)   |
| Which answer is the same expression as this                                     |  | Which answer is the same expression as this                                       | $25d^2 + 70d + 45$  |
| $2m^2 + 20m + 18$   |  | $^{A}(45d-5)(d+9)$  | $^{B} \ (5d+5)(d+9)$  |
| A $(m+9)(m+2)$<br>C $(2m+9)(m+2)$   | B $(20m-9)(4m+2)$  | $^{\rm c}(5d+5)(5d+9)$  | $^{\text{D}}(70d-5)(5d+9)$  |
| $egin{array}{ccc} {\sf C} & (2m+9)(m+2) \\ {\sf E} & (2m+9)(24m-2) \end{array}$ | $egin{array}{cccc} {\sf D} & (m+9)(2m+2) \\ {\sf F} & (18m-9)(m+2) \\ \end{array}$ | $^{E} (5d+5)(d+9)$  | (5d+5)(55d-9)   |
| Which answer is the same expression as this                                     | $48y^2 + 66y + 21$   | Which answer is the same expression as this $54n^2 + 87n + 35$                    |   |
| (6y+7)(68y-3)   | $^{B}(21y-7)(y+3)$   | $\mid$ 54 $n^-+6$   | 51n + 35  |
| (8y+7)(y+3)   | $^{\text{D}}(8y+7)(6y+3)$  | A $(9n+7)(n+5)$   | B $(6n+7)(n+5)$   |
| (66y-7)(8y+3)   | (6y+7)(y+3)  | $egin{array}{ccc} {\sf C} & (87n-7)(9n+5) \ {\sf E} & (9n+7)(6n+5) \ \end{array}$ | $oxed{D} egin{array}{ccc} (35n-7)(n+5) \ oxed{F} & (6n+7)(69n-5) \end{array}$ |