

Factor Quadratics ($a > 1$, $b > 0$, $c > 0$)

Factor each completely.

$$5n^2 + 19n + 12$$

$$9k^2 + 66k + 21$$

$$2n^2 + 5n + 2$$

$$6x^2 + 37x + 6$$

$$2v^2 + 11v + 5$$

$$2b^2 + 17b + 21$$

$$7a^2 + 53a + 28$$

$$9p^2 + 73p + 70$$

Factor Quadratics ($a > 1$, $b > 0$, $c > 0$)

Factor each completely.

$$\begin{aligned}5n^2 + 19n + 12 \\ = (5n + 4)(n + 3)\end{aligned}$$

$$\begin{aligned}2n^2 + 5n + 2 \\ = (2n + 1)(n + 2)\end{aligned}$$

$$\begin{aligned}2v^2 + 11v + 5 \\ = (2v + 1)(v + 5)\end{aligned}$$

$$\begin{aligned}7a^2 + 53a + 28 \\ = (7a + 4)(a + 7)\end{aligned}$$

$$\begin{aligned}9k^2 + 66k + 21 \\ = 3(3k + 1)(k + 7)\end{aligned}$$

$$\begin{aligned}6x^2 + 37x + 6 \\ = (x + 6)(6x + 1)\end{aligned}$$

$$\begin{aligned}2b^2 + 17b + 21 \\ = (2b + 3)(b + 7)\end{aligned}$$

$$\begin{aligned}9p^2 + 73p + 70 \\ = (p + 7)(9p + 10)\end{aligned}$$