

4, 7, 8, 9, 10

4. $u^2 - 10u + 9$ $\begin{matrix} 1, 9 \\ 3, 3 \end{matrix}$
 $(u-1)(u-9)$
 $u^2 - 9u - u + 9$
 $u^2 - 10u + 9$

7. $p^2 - 8p + 9$ $\begin{matrix} 1, 9 \\ 3, 3 \end{matrix}$
 ~~$(p-3)(p-3)$~~
 prime

8. $h^2 - 10h + 24$
 $(h-6)(h-4)$
 $h^2 - 4h - 6h + 24$
 $h^2 - 10h + 24$

9. $s^2 - 20s + 36$
 $(s-2)(s-18)$
 $s^2 - 2s - 18s + 36$
 $s^2 - 20s + 36$

10. $z^2 - 9z + 12$ $\begin{matrix} 1, 12 \\ 2, 6 \\ 3, 4 \end{matrix}$
 ~~$(z-3)(z-4)$~~
 prime

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$$2. \quad t^2 + 9t + 14$$

$$3 - 2z - z^2$$

$$(3 + z)(1 - z)$$

$$3 - 3z + z - z^2$$

$$3 - 2z - z^2 \checkmark$$

$$6c^2 - 5c + 1$$

$$\begin{array}{l} 3c \cdot 2c \\ 1 \cdot 6c \end{array} (3c - 1)(2c - 1)$$

$$5v^2 + 4v - 1$$

$$(5v - 1)(v + 1)$$

$$\begin{array}{l} 5v^2 + 5v - v - 1 \\ 5v^2 + 4v - 1 \end{array}$$

$$8 + 2s - s^2$$