

## Algebra 0507

## Chapter

## WS # 13

Name Key

Simplify.

1.  $(x+5)(x+2)$

$$\begin{array}{r} x^2 + \underline{2x + 5x} + 10 \\ x^2 + 7x + 10 \end{array}$$

3.  $(n-5)(n-3)$

$$\begin{array}{r} n^2 - \underline{3n - 5n} + 15 \\ n^2 - 8n + 15 \end{array}$$

5.  $(4y-2)(3y-7)$

$$\begin{array}{r} 12y^2 - \underline{28y - 6y} + 14 \\ 12y^2 - 34y + 14 \end{array}$$

7.  $(8x-4)(2x+5)$

$$\begin{array}{r} 16x^2 + \underline{40x - 8x} - 20 \\ 16x^2 + 32x - 20 \end{array}$$

9.  $(4n-3)(2n-1)$

$$\begin{array}{r} 12n^2 - \underline{4n - 6n} + 3 \\ 12n^2 - 10n + 3 \end{array}$$

11.  $(6x+5)(3x-4)$

$$\begin{array}{r} 18x^2 - \underline{24x + 15x} - 20 \\ 18x^2 - 9x - 20 \end{array}$$

2.  $(y+4)(y-3)$

$$\begin{array}{r} y^2 - \underline{3y + 4y} - 12 \\ y^2 + y - 12 \end{array}$$

4.  $(x+3)(2x+4)$

$$\begin{array}{r} 2x^2 + \underline{4x + 6x} + 12 \\ 2x^2 + 10x + 12 \end{array}$$

6.  $(5n+3)(2n+3)$

$$\begin{array}{r} 10n^2 + \underline{15n + 6n} + 9 \\ 10n^2 + 21n + 9 \end{array}$$

8.  $(9y+7)(3y-4)$

$$\begin{array}{r} 27y^2 - \underline{36y + 21y} - 28 \\ 27y^2 - 15y - 28 \end{array}$$

10.  $(5y-1)(2y+3)$

$$\begin{array}{r} 10y^2 + \underline{15y - 2y} - 3 \\ 10y^2 + 13y - 3 \end{array}$$

12.  $(3x+4y)(2x-5y)$

$$\begin{array}{r} 6x^2 - \underline{15xy + 8xy} - 20y^2 \\ 6x^2 - 7xy - 20y^2 \end{array}$$