

p. 191 # 23-28

24, 26, 27

24. $3x^2 - 8x + 5$ _{3, 1, 5}

^{1, 3}
 $(x - 1)(3x - 5)$

check: $3x^2 - 3x - 5x + 5$
 $3x^2 - 8x + 5$

26. $4r^2 + 8r + 3$ _{1, 3}

^{1, 4}
_{3, 2, 1, 2}
_{6 2}
 $(2r + 1)(2r + 3)$

check: $4r^2 + 6r + 2r + 3$
 $4r^2 + 8r + 3$

27. $6x^2 - 7xy - 3y^2$ _{1, 3}

^{1, 6}
_{2, 1, 3, 3}
_{2 9}
 $(3x + y)(2x - 3y)$

check: $6x^2 - 9xy + 2xy - 3y^2$
 $6x^2 - 7xy - 3y^2$

25. $3p^2 - 7p - 6$ _{1, 6, 3}
_{2, 1, 3, 3}
_{2, 1, 9}
 $(3p + 2)(p - 3)$

check: $3p^2 - 9p + 2p - 6$
 $3p^2 - 7p - 6$

HW Assessment

$$28. \quad 6s^2 + st - 5t^2$$

$$10x^2 + 7x - 12$$

$\begin{matrix} 1, 10 \\ 2, 5 \end{matrix}$
diff
 $\Rightarrow 7$
 $\begin{matrix} 2, 6 \\ 12, 1 \\ 4, 3 \end{matrix}$

$$2 \cdot \frac{-4}{-8}$$

$$5 \cdot \frac{+3}{+15}$$

$$(2x + 3)(5x - 4)$$

check: $10x^2 - 8x + 15x - 12$
 $10x^2 + 7x - 12$

$$29. 2h^2 + 7hk - 15k^2$$

$$30. 2u^2 + uv - 2v^2$$

$$33. 4t^2 - 9t + 6$$