

p. 191 #23-28

24, 25, 27, 28

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

$(x - 1)(3x - 5)$

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

25. $3p^2 - 7p - 6$ ~~1, 6~~
~~+2, 3~~ · 3

$(3p + 2)(p - 3)$

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

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

$(3x + y)(2x - 3y)$

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

28. $6s^2 + st - 5t^2$ 1, 5

$(s + t)(6s - 5t)$

check: $6s^2 - 5st + 6st - 5t^2$
 $6s^2 + st - 5t^2$

HW Assessment
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26. $4r^2 + 8r + 3$

$$10x^2 - 14x - 12$$

$\begin{matrix} 10, 1 \\ 2, 5 \end{matrix}$
 $\begin{matrix} 1, 12 \\ 2, 6 \\ 3, 4 \end{matrix}$
 $\begin{matrix} 20 & 6 \end{matrix}$

$$(10x + 6)(x - 2)$$

check: $10x^2 - 60x + 2x - 12$
 $10x^2 - 58x - 12$

check: $10x^2 - 20x + 6x - 12$
 $10x^2 - 14x - 12$

$$29. 2h^2 + 7hh - 15h^2$$

$$32. 4y^2 - 17y + 15$$

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