

Sec. 3.6 # 1(c) $5t^2 + 7t + 2$

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

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3(c) $2z^2 + 9t - 5 = (zt-1)(t+5)$

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2(e) $6m^2 - 13m + 6 = (2m-3)(3m-2)$

$2m$	-3	
$3m$	$6m^2$	$-9m$
-2	$-4m$	6

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4(n) $5r^2s - 7rs + 2s$
 $= s(5r^2 - 7r + 2)$

r	-1	
$5r$	$5r^2$	$-5r$
-2	$-2r$	2

$= s(r-1)(5r-2)$

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5(e) $bc^2 + 13cd + 2d^2$

$$\begin{array}{c|cc} c & 2d \\ \hline bc & bc^2 & 13cd \\ d & cd & 2d^2 \end{array} = (c+2d)(bc+d)$$

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Factor: $2x^2 + 5x + 2$

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