

Name:

Unit 7 Day 6
Homework - Book Work

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17. $(-3+2j)(4j-7)$

$$\begin{aligned} & -12j + 21 + 8j^2 - 14j \\ & 8j^2 - 26j + 21 \end{aligned}$$

18. $(5d-12)(-7+3d)$

$$\begin{aligned} & -35d + 15d^2 + 84 - 36d \\ & 15d^2 - 71d + 84 \end{aligned}$$

27. $(9-r)(2-3r)$

$$\begin{aligned} & 18 - 2r - 27r + 3r^2 \\ & 3r^2 - 29r + 18 \end{aligned}$$

28. $(8-4x)(2x+b)$

$$\begin{aligned} & 16x - 8x^2 + 4b - 24x \\ & -8x^2 - 8x + 4b \end{aligned}$$

31. $(2x-9)(x+5)$

$$\begin{aligned} & 2x^2 - 9x + 10x - 45 \\ & 2x^2 + x - 45 \end{aligned}$$

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

$$\begin{aligned} & x^3 + 3x^2 + 2x + 4x^2 + 12x + 8 \\ & x^3 + 7x^2 + 14x + 8 \end{aligned}$$

37. $(y+3)(y^2+8y-2)$

$$\begin{aligned} & y^3 + 8y^2 - 2y + 3y^2 + 24y - 6 \\ & y^3 + 11y^2 + 22y - 6 \end{aligned}$$

43. a) $(10x+10)(4x+20)$

$$\begin{aligned} & 40x^2 + 40x + 200x + 200 \\ & 40x^2 + 240x + 200 \end{aligned}$$

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