Algebra I Worksheet #1 Unit 11 Selected Solutions

Perform the indicated operations.

4.
$$4(3x + 5) = 12x + 20$$

22. $(x + 9)(x - 3) = x^2 + 6x - 27$
Factor each of the following.
14. $9x + 54 = 9(x + 6)$
32. $x^2 + 5x - 6 = (x + 6)(x - 1)$
40. $x^2 - 12x + 32 = (x - 4)(x - 8)$
8. $6x(4x - 9) = 24x^2 - 54x$
26. $(x - 2)(x + 9) = x^2 + 7x - 18$
18. $21x^2 + 14x = 7x(3x + 2)$
36. $x^2 + x - 30 = (x + 6)(x - 5)$
44. $x^2 - 17x + 70 = (x - 7)(x - 10)$