## Algebra I Worksheet \#1 Unit 11 Selected Solutions

Perform the indicated operations.
4. $\mathbf{4 ( 3 x + 5 )}=\underline{12 x+20}$
22. $(x+9)(x-3)=\underline{x^{2}+6 x-27}$

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

