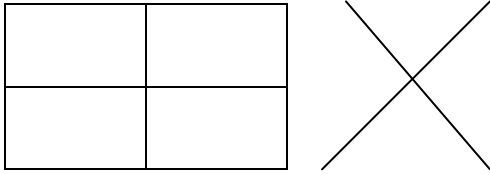
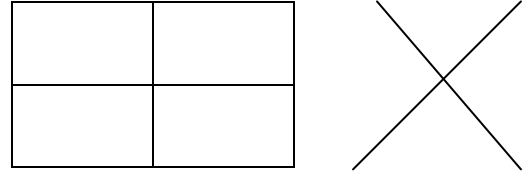


9.5 Worksheet ($x^2 + bx + c$)**Factor.**

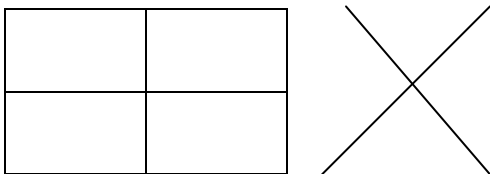
1) $a^2 + 11a + 30$



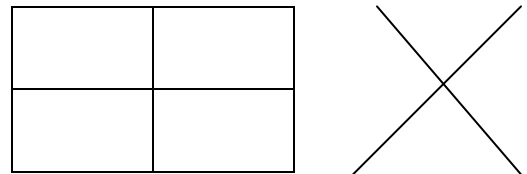
2) $x^2 - 5x + 4$



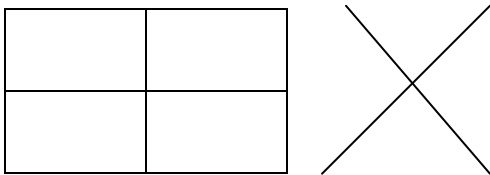
3) $f^2 - f - 42$



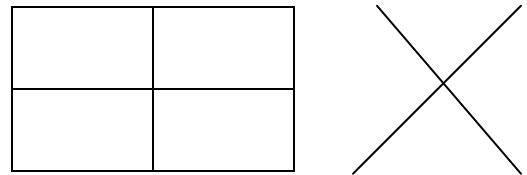
4) $c^2 - 7c + 10$



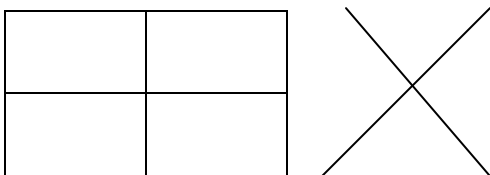
5) $x^2 + 20x + 99$



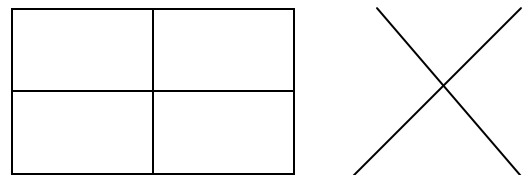
6) $a^2 - 14a + 48$

**Factor using a GCF**

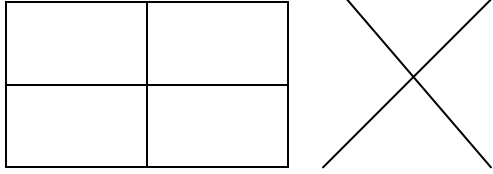
7) $-z^2 + 10z - 24$



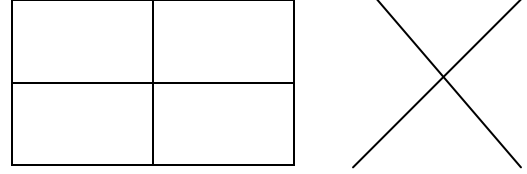
8) $-x^2 - 9x - 8$



9) $2x^2 - 12x - 32$



10) $3a^2 - 27a + 60$

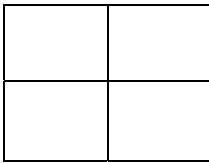
**Factor using a GCF.**

11) $9x^6 - 12x^3 - 6x^2$

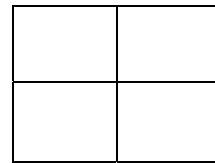
12) $8x^3 + 20x^2 - 10$

Multiply.

13) $(2x+1)^2$



14) $(5x-1)(3x+7)$

**9.5 Worksheet Answers**

1. $(a+4)(a+5)$

2. $(x-4)(x-1)$

3. $(f-7)(f+6)$

4. $(c-2)(c-5)$

5. $(x+9)(x+11)$

6. $(a-8)(a-6)$

7. $-(z-4)(z-6)$

8. $-(x+8)(x+1)$

9. $2(x-8)(x+2)$

10. $3(a-5)(a-4)$

11. $3x^2(3x^4 - 4x - 2)$

12. $2(4x^3 + 10x^2 - 5)$

13. $4x^2 + 4x + 1$

14. $15x^2 + 32x - 7$