Name: _____ Date: _____

Fresh Math

Factoring - Medium

Factor each expression.

1. $x^2 + 14x + 48$
2. $x^2 + 16x + 63$
3. $x^2 + 6x + 8$
4. $x^2 + 2x - 8$
5. $x^2 - 9$
6. $x^2 - 5x + 6$
7. $x^2 - 16x + 64$
8. $x^2 + 5x - 14$
9. $x^2 - 1$
10. $x^2 - 7x + 6$

Name: _____ Date: _____

Fresh Math

Factoring - Medium

Factor each expression.

11. $x^2 - 12x + 27$

12. $x^2 - 13x + 36$

13. $x^2 - 4x - 21$

14. $x^2 + 7x + 12$

15. $x^2 - 11x + 28$

16. $x^2 + 3x - 40$

17. $x^2 - 6x - 7$

18. $x^2 - 144$

19. $x^2 - x - 12$

20. $x^2 + 5x - 24$

Factoring - Medium - Answer Key

1. $x^2 + 14x + 48$
   $(x + 6)(x + 8)$

2. $x^2 + 16x + 63$
   $(x + 7)(x + 9)$

3. $x^2 + 6x + 8$
   $(x + 2)(x + 4)$

4. $x^2 + 2x - 8$
   $(x - 2)(x + 4)$

5. $x^2 - 9$
   $(x + 3)(x - 3)$

6. $x^2 - 5x + 6$
   $(x - 3)(x - 2)$

7. $x^2 - 16x + 64$
   $(x - 8)^2$

8. $x^2 + 5x - 14$
   $(x - 2)(x + 7)$

9. $x^2 - 1$
   $(x + 1)(x - 1)$

10. $x^2 - 7x + 6$
    $(x - 6)(x - 1)$

Factoring - Medium - Answer Key

11. $x^2 - 12x + 27$
    $(x - 9)(x - 3)$

12. $x^2 - 13x + 36$
    $(x - 9)(x - 4)$

13. $x^2 - 4x - 21$
    $(x - 7)(x + 3)$

14. $x^2 + 7x + 12$
    $(x + 3)(x + 4)$

15. $x^2 - 11x + 28$
    $(x - 7)(x - 4)$

16. $x^2 + 3x - 40$
    $(x - 5)(x + 8)$

17. $x^2 - 6x - 7$
    $(x - 7)(x + 1)$

18. $x^2 - 144$
    $(x + 12)(x - 12)$

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

20. $x^2 + 5x - 24$
    $(x - 3)(x + 8)$