

**DUE: THURSDAY - ALL WORK/ANSWERS MUST BE DONE ON SEPARATE PAPER**

**Section I: Factor. If the expression does not factor, write PRIME.**

2.  $x^2 - 9$

3.  $x^2 + 4$

4.  $x^2 - 25$

5.  $9y^2 - 16$

13.  $36m^2 - 121$

14.  $2x^2 - 8$

15.  $25 + 4x^2$

16.  $4a^2 - 81b^2$

**Section II: Factor. If the expression does not factor, write PRIME.**

2.  $x^2 - 16x + 64$

3.  $y^2 + 12y + 36$

4.  $a^2 - 10a + 25$

5.  $16y^2 + 8y + 1$

7.  $25x^2 + 10x + 1$

8.  $n^2 - 14n + 49$

9.  $81x^2 - 90x + 25$

10.  $4y^2 - 20y + 25$

**Section III: Factor. If the expression does not factor, write PRIME.**

1.  $x^2 + 6x + 8$

2.  $c^2 + 5c + 6$

3.  $y^2 - 9y + 14$

4.  $x^2 - 10x + 16$

5.  $a^2 + 12a + 27$

6.  $x^2 - 14x + 24$

12.  $x^2 - x - 6$

13.  $y^2 + 3y - 18$

14.  $b^2 + 7b - 18$

15.  $a^2 + a - 56$

16.  $c^2 - 4c - 12$

17.  $x^2 - 9x - 36$

**Section IV: Factor. If the expression does not factor, write PRIME.**

1.  $2x^2 - 5x - 3$

2.  $3x^2 + 10x - 8$

3.  $2y^2 + 15y + 7$

4.  $7a^2 - 11a + 4$

5.  $5n^2 + 17n + 6$

6.  $4y^2 + 8y + 3$

7.  $3x^2 + 4x - 7$



This section  
will be taught  
on Tuesday!

11.  $2n^2 - 3n - 14$

12.  $5n^2 + 2n + 7$

13.  $10x^2 + 13x - 30$

14.  $12y^2 + 7y + 1$

15.  $2n^2 + 9n - 5$

16.  $2x^2 + 7x + 6$

17.  $5a^2 - 42a - 27$

**Section V: Factor. If the expression does not factor, write PRIME.**

**ALL TYPES OF FACTORING.....start with the GCF!**

1.  $2x^2 - 8$

2.  $2x^2 + 8x + 6$

3.  $3n^2 + 9n - 30$

4.  $6x^2 - 26x - 20$

5.  $2x^2 + 12x - 80$

6.  $5t^2 + 15t + 10$

7.  $8n^2 - 18$

8.  $14x^2 + 7x - 21$

9.  $4x^2 + 16x + 16$

10.  $18x + 12x^2 + 2x^3$

11.  $2x - 2xy^2$

12.  $3t^3 - 27t$

13.  $24a^2 - 30a + 9$

14.  $10x^2 + 15x - 10$

15.  $3x^2 - 42x + 147$

16.  $4x^4 - 4x^2$