Lab # 7

1. Factor out the greatest common factor.

   $30 r^2 s + 15 r s^2$

2. Factor by grouping

   13x -11 + 39 ax -33 a

3. Factor by grouping

   $y^2 + 4y + 8y + 32$

4. Factor

   $x^2 - 3x - 18$

5. Factor

   $2x^2 + 9x + 9$

6. Factor the following expression

   $4 x^2 - 9 y^2$

7. Factor the following:

   $81x^2 - 72x + 16$

8. Factor completely :

   a. $12x^2 + 2x - 2$

   b. $2a^2 b + 18 b^3$