**Classwork #9 – Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Section 9.8: Factoring Four-Term Polynomials**

*Find the GCF of the first two terms and the GCF of the last two terms of each polynomial.*

1. $10p^{3}-25p^{2}+4p-10$ 2. $6n^{3}+3n^{2}+2n+1$

*Factor each expression.*

3. $45x^{3}+20x^{2}+9x+4$ 4. $10w^{3}+16w^{2}-15w-24$

*Factor completely.*

5. $12y^{3}-20y^{2}+30y-50$ 6. $9c^{3}-12c^{2}+18c-24$

7. $12x^{2}-4xy-56y^{2}$ 8. $54r^{3}-45r^{2}+9r$

9. $60t^{3}-200t^{2}-66t+220$ 10. $8d^{3}+16d^{2}+24d+48$