Quiz on Sections 8-1 & 8-2

This is a team quiz, your team must turn in four pieces of paper stapled to the quiz. Each person in the team is responsible for answering at least one question. Be sure you put the number of the problem you are doing on your paper next to your work.

Part 1 – **CHOOSE 1**
Factor the monomial completely.

1. $35ab^4$

2. $-20m^5n^2$

Part 2 – **CHOOSE 1**
Find the GCF of each set of monomials.

3. $10a$ and $20a^2$

4. $21ab$ and $35b$

Part 3 – **CHOOSE 2**
Use the Distributive property to factor each polynomial.

5. $21b - 15a$

6. $14c^2 + 2c$

7. $2k^2 - 4k$

Part 4 – **CHOOSE 2**
Use the factor by grouping method to factor the following polynomials.

8. $3x^2 + x + 6x + 2$

9. $5a^2 - a - 25a + 5$

10. $ab - a + 5b - 5$