

Find the GCF of each set of monomials.

1.  $12x^3y^2, 48xy^2$

3. \_\_\_\_\_

2.  $2ab, 5a^2, 8a$

2. \_\_\_\_\_

Factor each polynomial.

3.  $20a^2b^2 - 45a^2b^2$

3. \_\_\_\_\_

4.  $3cy - 4z + 6y - 8$

4. \_\_\_\_\_

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

5. \_\_\_\_\_

6.  $x^2 + x - 42$

6. \_\_\_\_\_

Factor each polynomial, if possible. If the polynomial cannot be factored, write prime.

7.  $20y^2 - 30y + 15$

7. \_\_\_\_\_

8.  $9x^2 - 24x + 16$

8. \_\_\_\_\_

9.  $25m^2 - 49$

9. \_\_\_\_\_

10.  $2x^2 - 18x^2$

10. \_\_\_\_\_

11.  $25a^2 - 40a + 16$

11. \_\_\_\_\_

12.  $9a^2 + 42a + 49$

12. \_\_\_\_\_

# Chapter 8 Test Form 2c

**AW Rasmussen**



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