

CHAPTER 7 TEST

ALGEBRA 1

Standard 3: Students will develop fluency with the language and operations of algebra to analyze and represent relationships.

Objective 4: Factor polynomials with common monomial factors and factor simple quadratic expressions.

Name _____

- (1) What does GCF stand for?

- (2) Find the GCF of $14xy$ and $21x^3$ and list the steps you used to find the GCF.

- (3) What is the first step in factoring an expression?

- (4) Define the distributive property and describe how it works.

- (5) Write $24x^2 - 18x$ in factored form
Use the distributive property to prove your answer by indicating what you

let a,b,c equal.

Factor the following expressions

(6) $x^2 - 5x - 6$

(7) $9x^2 + 25$

(8) $x^2 - 8$

(9) $3x^3 + 9x^2 + 2x + 6$