

Name: \_\_\_\_\_

## Adding and Subtracting Polynomials

- A. 1) Find the difference when  $32x^2 - 17x + 45$  is subtracted from the sum of  $23x^2 - 12x - 7$  and  $-11x^2 + 12x + 7$
- B. 2) Subtract  $(3a^4 - 7a^3 + 11)$  from  $(9a^4 - 4a^3 - 3)$
- C. 3) Subtract  $(3a^4 - 7a^3 + 11)$  from  $(9a^4 - 3a^3 - 4)$
- D. Bob mowed  $(2x^2 + 5x - 3)$  yards on Monday,  $(4x - 7)$  yards on Tuesday, and he worked  $(3x^2 + 10)$  yards on Wednesday.
- 4) How many yards did he mow in the three days?
- E. Molly has  $(4x + 10)$  dollars and Ron has  $(-5x + 20)$  dollars.
- 5) How much money do they have altogether?
- F. Robert has  $(8x - 5)$  tickets from Chuck E Cheese. He is going to go play today and wants to buy a prize that is  $(15x + 1)$  tickets.
- 6) How many tickets must he win to have enough tickets to buy the prize?
- G. Luke's CD costs  $\$(3x + 1.95)$  dollars and Jim's CD costs  $\$(4x + 0.75)$  dollars.
- 7) How much more is Luke's CD?