**Variables & Expressions** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework Date\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_

1. What is an expression?

**Write an algebraic expression for the verbal expression.**

1. Ricardo has a lemonade stand. He sells lemonade for $1.25 each, cookies for $1.50 each and cakepops for $3. Write an equation that describes how much money Ricardo could make in a day

3. Yesterday Ricardo sold 23 lemonades, 14 cookies and 8 cakepops. How much did he make?

For 4 – 9 combine like terms to the simplest form.

4. 17u + 25u 5. 6a2 + a2 + 2a

6. 6n – 4n 7. -2 –2x + 2x + 2

8. -6 – 2x2 + 7x -3x2 9. 2 + 4x – x2 + 5 + 5x3 - x2

10. Blake wants to rent a tuxedo for the prom. The tuxedo costs $12 per day plus a $5 cleaning fee. Blake has only $72 to spend on a tuxedo. Write an equation that represents how long Blake can keep the tux.