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

Worksheet Date\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_

1. What is a variable?

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

1. Jocelyn makes x dollars per hour working at the grocery store and n dollars per hour babysitting. Write an expression that describes her earnings if she babysat for 9 hours and worked at the grocery store for 15 hours.
2. If Jocelyn makes $11 per hour babysitting and $7.25 and hour working at the grocery store. How much money in all did she make?

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

4. b2 +13b + 2b + 3 5. 7a + 4 – 6a2 – 2a

6. 3k – 4 + 2k2 7. 3u + 4u – 7

8. 5 + 2(3x + 4) – x 9. 4 + 3x – (2x – 1)

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.