

## Algebra Review Quiz Chapters 1-9 B

- \_\_\_\_\_ 1. A tie is normally \$42, but is on sale for \$29.40.  
What is the percent of discount?
- \_\_\_\_\_ 2.  $\frac{5n}{2} - \frac{2n-5}{4} =$
- \_\_\_\_\_ 3. Solve for y:  $\frac{5n^2y}{4x} = 3$
- \_\_\_\_\_ 4.  $\left(\frac{-2n^3y^5}{5te^3}\right)^3 =$
- \_\_\_\_\_ 5. Simplify:  $\frac{4a^2b^5c^3}{6a^3bc^5}$
- \_\_\_\_\_ 6. Simplify:  $\sqrt{50b^2}$
- \_\_\_\_\_ 7. I currently drink 800 milliliters of coffee each day. I am going to cut back the amount I drink by 5% from how much I drank the day before. How much will I be drinking 20 days from now?
- \_\_\_\_\_ 8. Simplify  $\frac{3m}{5} \cdot \frac{20}{9m} =$
- \_\_\_\_\_ 9. A combination is 2 different letters followed by 3 different digits. How many combinations exist?