

## Algebra Review Quiz Chapters 1-11 A

- \_\_\_\_\_ 1. Simplify:  $\sqrt{40b^2c^3}$
- \_\_\_\_\_ 2.  $(4 - y)(4 + y) =$  \_\_\_\_\_
- \_\_\_\_\_ 3.  $\left(\frac{2a^3b^5}{y^4}\right)^4 =$  \_\_\_\_\_
- \_\_\_\_\_ 4. What is the slope of the line  $y = 4$ ?
- \_\_\_\_\_ 5. If point A = (2, 8) and B = (-1, 22), what is the slope from A to B?
- \_\_\_\_\_ 6. Solve:  $\begin{cases} y = 3x - 2 \\ y = 5x - 10 \end{cases}$
- \_\_\_\_\_ 7.  $\frac{-2n}{5} \div \frac{8n}{15} =$  \_\_\_\_\_
- \_\_\_\_\_ 8. Which of the following parabolas would open the widest?  
 $y = 4x^2$        $y = 2x^2$        $y = \frac{1}{2}x^2$        $y = -5x^2$
- \_\_\_\_\_ 9. Solve the system:  $\begin{cases} 2x + 3y = 10 \\ 3x - 3y = 20 \end{cases}$