

## Algebra Review Quiz for Chapters 1-4 F

\_\_\_\_\_ 1. If  $A = \{3, 4\}$  and  $B = \{2, 5, 6\}$  then  $A \cap B =$  \_\_\_\_\_

\_\_\_\_\_ 2. If the hypotenuse of a right triangle is 20 cm, and one of the legs is 16 cm, what is the length of the missing leg?

\_\_\_\_\_ 3.  $2\sqrt{10} \cdot \sqrt{10} =$  \_\_\_\_\_

\_\_\_\_\_ 4.  $-2^3 =$  \_\_\_\_\_

\_\_\_\_\_ 5.  $\frac{4n^5}{6n^7} =$  \_\_\_\_\_

\_\_\_\_\_ 6.  $\frac{10!}{8!} =$  \_\_\_\_\_

\_\_\_\_\_ 7. If  $a = -10$  and  $t = -2$ , then  $(-a)(t - a) =$  \_\_\_\_\_

\_\_\_\_\_ 8. Solve for n:  $-4n + n < -20 - 1$

\_\_\_\_\_ 9.  $\frac{k}{2} - \frac{4k}{8} =$  \_\_\_\_\_

\_\_\_\_\_ 10. Is it possible to have a triangle with measurements of 2 cm, 8 cm, and 6 cm? Why or why not?