**Exponential and Radical Relationships Mini Quiz Review**

1. **Rewrite each expression without radicals. Use fractional exponents as necessary.**

 a.  b. 

 c.  d. 

2. **Rewrite each expression using radicals and whole number exponents.**

 **No fractional exponents in final answer.**

a.  b. 

c.  d. 

3. **Multiple Choice:** Which expression is equivalent to ?

 a. 3 b. 3 \* 9 c. 92 d. 32

4. Consider , assuming *b* >0 and *c* > 0.

 Factor the expression, and then rewrite without any radical.

5. Simplify as much as possible, being sure to show ALL steps. 

6. **Multiple Choice:** The expression , where can be rewritten as .

 What is the value of w?

7. For , the expression can be rewritten in the form . Determine the value of d.

