NAME:

**Lesson 3.2: Operations with Radicals**

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This assignment includes multiple choice and short answer questions. For multiple choice questions, select the best answer. Each is worth 1 mark. Marks assigned to short answer questions are indicated for each question. Be sure to show all necessary work.

**/1** 1. When fully simplified, the expression  is



1. 
2. 
3. 
4. 

Answer:

**/1** 2. The simplified version of  is

1. 
2. 
3. 
4. 

Answer:

**/1** 3. The simplified version of  is

1. 
2. 
3. 
4. The expression is already in its most simplified form.

Answer:  
  
**/1** 4. Simplify the expression  by rationalizing the denominator.

1. 
2. 
3. 
4. 

Answer:

**/1** 5. The conjugate of the binomial  is

1. 
2. 
3. 
4. 

Answer:

**/3** 6. Simplify the expression . Show all work and indicate any restrictions on *t*.  
  
Answer:

**/2** 7. Simplify the expression  by rationalizing the denominator. Show all work.  
  
Answer:

**/10**

You have completed *Lesson 3.2 Explore Your Understanding Assignment*. Please continue your exploration with *Lesson 3.3.*