Exam 5

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| **What is the simplest form of the radical expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image019.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image020.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image022.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image021.png*

D. not possible to simplify

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| Feedback:Please refer:Lesson 6-3, pg. 375, Example Problem 1, Problems #10-15 |
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| Question 2 of 200.0/ 5.0 Points**What is the simplest form of the expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image015.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image016.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image018.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image017.png*

D. none of these

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| Feedback:Please refer to: Lesson 6-2, pg. 369, Example Problem 4, Problems #37-42 |
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| Question 3 of 200.0/ 5.0 PointsThe area of a circular trampoline is 112.07 square feet. What is the radius of the trampoline? Round to the nearest hundredth.

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A. 35.67 feet*

B. 10.59 feet*

C. 5.97 feet*

D. 3.37 feet

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| Feedback:Please refer to: Lesson 6-3, pg. 375, Example Problem 2, Problems #16 |
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| Question 4 of 200.0/ 5.0 Points**What is a simpler form of the radical expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image2.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image6.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image4.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image3.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image5.png

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| Feedback:Please refer to: Lesson 6-1 and 6-2, pg. 363, 386, Example Problem 3 and Example Problem 2 , Problems #26-29, and #19-27 |
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| Question 5 of 200.0/ 5.0 Points**What is the simplest form of the expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image051.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image054.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image053.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image052.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image055.png |
| Question 6 of 200.0/ 5.0 PointsFind all the real fourth roots of https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%202.JPG.

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A. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%202%20(A).JPG*

B. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%202%20(B).JPG*

C. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%202%20(C).JPG*

D. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%202%20(D).JPG

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| Feedback:Please refer to: Lesson 6-1, pg.362, Example Problem 1,2, Problems #10-25 |
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| Question 7 of 200.0/ 5.0 PointsGraph the equation.https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image056.png

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image058.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image060.png*

C. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image062.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image064.png

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| Feedback:Please refer to: Lesson 6-8, pg. 415-416, Example Problem 3, Problems #21-23 |
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| Question 8 of 205.0/ 5.0 Points**What is the solution of the equation?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image038.png**

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A. 44*

B. -2*

C. 28*

D. 36

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| Feedback:Great job! |
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| Question 9 of 200.0/ 5.0 Points**What is the solution of the equation?  Eliminate any extraneous solutions.https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image049.png**

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A. -4*

B. -9*

C. -9 and -4*

D. 9 and -4

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| Feedback:Please refer to: Lesson 6-5, pg.393, Example Problem 4, Problems #26-34 |
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| Question 10 of 200.0/ 5.0 Points**How can you write the expression with rationalized denominator?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image033.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image034.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image036.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image035.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image037.png

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| Feedback:Please refer to: Lesson 6-3, pg. 377, Example Problem 6, Problems #33-36 |
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| Question 11 of 205.0/ 5.0 Points Find all the real cube roots of 0.000027.

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A. 0.0009 and -0.0009*

B. 0.03*

C. 0.03 and -0.03*

D. 0.0009

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| Feedback:Great job! |
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| Question 12 of 200.0/ 5.0 Points**Find the real-number root.https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image1.png**

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A. no real number root*

B. 1.6*

C. -1.6*

D. -1.28

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| Feedback:Please refer to: Lesson 6-1, pg. 362, Example Problem 2, Problems #22-25 |
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| Question 13 of 200.0/ 5.0 PointsWhat is the solution of https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image050.png ?

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A.  *x* = 0 and *x* = -16*

B. *x* = 16 and *x* = -16*

C. x = 0 and x = 16*

D. *x* = 0

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| Feedback:Please refer to: Lesson 6-5, pg. 394, Example Problem 5, Problems #35-44 |
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| Question 14 of 200.0/ 5.0 Points**Multiply and simplify if possible.https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image7.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image8.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image10.png*

C. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image9.png*

D. not possible

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| Feedback:Please refer to: Lesson 6-2, pg. 367, Example Problem 1, Problems #10-18 |
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| Question 15 of 200.0/ 5.0 Points A garden has width https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image023.png and length https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image024.png. What is the perimeter of the garden in simplest radical form?

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image026.png units*

B. 91 units*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image025.png units*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image027.png units

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| Feedback:Please refer to: Lesson 6-3, pg. 375, Example Problem 2, Problems #16 |
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| Question 16 of 200.0/ 5.0 PointsFind all the real square roots of https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%201.JPG.

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A. no real root*

B. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%201%20(B).JPG*

C. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%201%20(C).JPG*

D. https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Additional%20Exam%20Question%20Images/Exam%205.1%20image%201%20(D).JPG

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| Feedback:Please refer to: Lesson 6-1, pg.362, Example Problem 1,2, Problems #10-25 |
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| Question 17 of 205.0/ 5.0 Points**What is the product of the radical expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image028.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image031.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image029.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image032.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image030.png

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| Feedback:Great job! |
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| Question 18 of 205.0/ 5.0 Points**What is the solution of the equation?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image039.png**

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A. 14*

B. 2*

C. 38*

D.  26

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| Feedback:Great job! |
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| Question 19 of 200.0/ 5.0 Points**What is the simplest form of the expression?https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image011.png**

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A. none of these*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image013.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image013.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image012.png

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| Feedback:Please refer to: Lesson 6-1 and 6-2, pg. 363, 386, Example Problem 3 and Example Problem 2 , Problems #26-29, and #19-27 |
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| Question 20 of 200.0/ 5.0 Points**What is the solution of the equation?  Eliminate any extraneous solutions.https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image040.png**

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A.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image042.png*

B.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image044.png*

C.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image046.png*

D.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image048.png |