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**   |  | | --- | |  |   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     |  | | --- | | Feedback:  Please refer:  Lesson 6-3, pg. 375, Example Problem 1, Problems #10-15 | |  | |
| Question 2 of 20  0.0/ 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**   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-2, pg. 369, Example Problem 4, Problems #37-42 | |  | |
| Question 3 of 20  0.0/ 5.0 Points  The area of a circular trampoline is 112.07 square feet. What is the radius of the trampoline? Round to the nearest hundredth.   |  | | --- | |  |   A. 35.67 feet      B. 10.59 feet      C. 5.97 feet      D. 3.37 feet     |  | | --- | | Feedback:Please refer to:  Lesson 6-3, pg. 375, Example Problem 2, Problems #16 | |  | |
| Question 4 of 20  0.0/ 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**   |  | | --- | |  |   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     |  | | --- | | 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 | |  | |
| Question 5 of 20  0.0/ 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**   |  | | --- | |  |   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 20  0.0/ 5.0 Points  Find 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.   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-1, pg.362, Example Problem 1,2, Problems #10-25 | |  | |
| Question 7 of 20  0.0/ 5.0 Points  Graph the equation.  https://study.ashworthcollege.edu/access/content/group/59841a3a-ae83-40e0-9ad2-cdbb53b336a0/Algebra%20II%20Part%201/Exam%205%20NEW/image056.png   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-8, pg. 415-416, Example Problem 3, Problems #21-23 | |  | |
| Question 8 of 20  5.0/ 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**   |  | | --- | |  |   A. 44      B. -2      C. 28      D. 36     |  | | --- | | Feedback:Great job! | |  | |
| Question 9 of 20  0.0/ 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**   |  | | --- | |  |   A. -4      B. -9      C. -9 and -4      D. 9 and -4     |  | | --- | | Feedback:Please refer to:  Lesson 6-5, pg.393, Example Problem 4, Problems #26-34 | |  | |
| Question 10 of 20  0.0/ 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**   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-3, pg. 377, Example Problem 6, Problems #33-36 | |  | |
| Question 11 of 20  5.0/ 5.0 Points   Find all the real cube roots of 0.000027.   |  | | --- | |  |   A. 0.0009 and -0.0009      B. 0.03      C. 0.03 and -0.03      D. 0.0009     |  | | --- | | Feedback:Great job! | |  | |
| Question 12 of 20  0.0/ 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**   |  | | --- | |  |   A. no real number root      B. 1.6      C. -1.6      D. -1.28     |  | | --- | | Feedback:Please refer to:  Lesson 6-1, pg. 362, Example Problem 2, Problems #22-25 | |  | |
| Question 13 of 20  0.0/ 5.0 Points  What 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 ?   |  | | --- | |  |   A.  *x* = 0 and *x* = -16      B.  *x* = 16 and *x* = -16      C.  x = 0 and x = 16      D.  *x* = 0     |  | | --- | | Feedback:Please refer to:  Lesson 6-5, pg. 394, Example Problem 5, Problems #35-44 | |  | |
| Question 14 of 20  0.0/ 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**   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-2, pg. 367, Example Problem 1, Problems #10-18 | |  | |
| Question 15 of 20  0.0/ 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?   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-3, pg. 375, Example Problem 2, Problems #16 | |  | |
| Question 16 of 20  0.0/ 5.0 Points  Find 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.   |  | | --- | |  |   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     |  | | --- | | Feedback:Please refer to:  Lesson 6-1, pg.362, Example Problem 1,2, Problems #10-25 | |  | |
| Question 17 of 20  5.0/ 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**   |  | | --- | |  |   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     |  | | --- | | Feedback:Great job! | |  | |
| Question 18 of 20  5.0/ 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**   |  | | --- | |  |   A. 14      B. 2      C. 38      D.  26     |  | | --- | | Feedback:Great job! | |  | |
| Question 19 of 20  0.0/ 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**   |  | | --- | |  |   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     |  | | --- | | 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 | |  | |
| Question 20 of 20  0.0/ 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**   |  | | --- | |  |   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 |