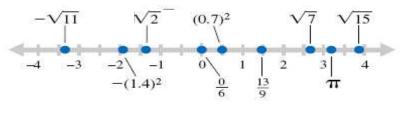
PRACTICE EVALUATION A1 FOR INTEGRATED ALGEBRA 1 - FORM 1

Subunit A1: Lesson 1.1 (The Real Numbers)

Ground Rules for Test Completion

- 1. Present your work in a neat and organized manner. Use <u>complete sentences</u> whenever you are asked to make a statement.
- 2. SHOW YOUR WORK: Partial credit will be awarded on the basis of the work shown.
- 3. Make sure you answer ALL parts of problems.

- [15] Label each statement below as either True or False. 1. b. 5 > 7 c. $2 \neq 2$ d. $82 \le 82$ e. 76 < 100a. $0 \le 3$ [15] Find the absolute values: 2. b. |0| c. |-5.2| d. |12| e. |-0.0001|a. 1.8 [6] a. Write 4^5 in Expanded Form. b. Evaluate 4^5 3 [6] a. Write 2^7 in Expanded Form. b. Evaluate 2^7 4. 5. [9] Rewrite each of the following using exponents: a. 10 • 10 • 10 • 10 • 10 • 10 b. 17 • 17 • 42 • 42 • 42 c. 2 • 2 • 2 • 2 • 3 • 3 • 8 • 8 • 8 [12] Given the sets A and B below, determine whether the following statements are true or false. 6. $A = \{0, 2, 4, 6, 8\}$ $B = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ a. $6 \in A$ b. $A \not\subset B$ c. $12 \in B$ d. $A \subset B$ [16] Evaluate each of the following: 7 b. $|6^2| - |-3^4|$ c. |-82| + |112| d. |-82 + 112|a. $2^4 \cdot 5^2$ [9] On a number line, X = -22 and Y = 37. 8. a. Sketch a number line showing the origin and points X & Y. b. Use absolute value to an write expression that represents the distance between X and Y. c. What is the distance between points X & Y? 9. [6] C and D are two points on the number line. If C = 13.3 and the distance between the points is
- 11.5, what are the **two possibilities** for D?
- 10. [6] Find the points on the given number line below which have an absolute value ≥ 3 .



Pg. 1 of 2

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