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11/20/14

Semester Exam Problems

Problems for Exam

1. Easy. Section 1.2. Order of Operations.

Evaluate the following expression for the given variable:

1. Medium. Section 1.7. Absolute Value Inequalities.

Solve for x:

1. Medium. Section 2.3. Graphing.

Graph the following inequality:

1. Medium. Section 2.7. Graphing.

Write an equation for the following graph in form:

1. Hard. Section 4.5. Rationalize Denominators of Fractions.

Circle the correct answer for the following problem:

Simplify

1. Medium. Section 4.7. Graphing.

Graph the following equation and find the maximum value:

1. Hard. Section 4.7. Completing the Square/ Factoring.

Solve the following equation by completing the square:

1. Hard. Section 5.1. Properties of Exponents.

Simplify the following expression and tell which properties were used:

1. Hard. Section 4.6. Complex Numbers.

Write the following expression as a complex number in standard form:

1. Ridiculous. Section 10.2. Permutations with Repetition.

Find the permutations of the letters in the following word:

(fear of long words)