

END OF SEMESTER TEST: ALGEBRA 2A – PLATO TEST QUESTIONS AND ANSWERS

Which expression is factored from is equivalent to this expression?

$$4(x^2 - 2x) - 2(x^2 - 3) \text{ - answer A.) } 2(x - 1)(x - 3)$$

Use the properties of exponents to rewrite this expression.

$$(2a^4)^2 / a^0 a^5$$

What is the value of the rewritten expression when $a = -5$? - answer A.) -500

Cassie's age is 3 less than twice Kara's age. The sum of their ages is 42. Create an equation to find Kara's age, n . - answer $n + (2n - 3) = 42$

Sarah owns a flower shop and can model the profits from selling springtime bouquets using this equation, where b is the number of springtime bouquets.

$$P = -5b^2 + 450b - 1,000$$

Which statement is true if Sarah needs to make a profit of at least \$9,000? - answer A.) Sarah must sell between 40 and 50 springtime bouquets.

Use the drawing tools to from the correct answers on the graph. Complete the function table for the given domain, and plot the points on the graph. - answer $(2, 10)$, $(3, 5)$, $(4, 2)$, $(5, 1)$, $(6, 2)$

Function g is a transformation of the parent exponential function. Which statements are true about function g ? - answer Function g has a y -intercept of $(0, 4)$

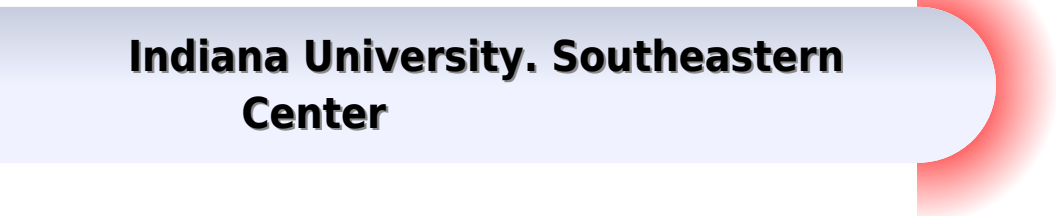
Function g is positive over the interval $(-\infty, \infty)$

The range of function g is $(3, \infty)$

What is the simplest form of the expression $2x(x - 6) - 7x^2 - (13x - 3)$ - answer B.) $-5x^2 - 25x + 3$

Algebra Semester 2 Plato

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Designing Educational Project and Program Evaluations David A. Payne, 2012-12-06 Drawing upon experiences at state and local level project evaluation and based on current research in the professional literature Payne presents a practical systematic and flexible approach to educational evaluations Evaluators at all levels state local and classroom will find ideas useful in conducting managing and using evaluations Special user targets identified are state department of education personnel and local school system administrative personnel The volume can be used by those doing evaluation projects in the field or as a text for graduate courses at an introductory level The book begins with an overview of the generic evaluation process Chapter Two is devoted to the criteria for judging the effectiveness of evaluation practice Chapter Three addresses the all important topic of evaluation goals and objectives Chapters Four Five and Six basically are concerned with the approach framework or design of an evaluation study Chapter Four contains a discussion of four major philosophical frameworks or metaphors and the implications of these frameworks for conducting an evaluation Chapters Five and Six describe predominantly quantitative and qualitative designs respectively Design implementation and operational issues related to instrumentation Chapter Seven management and decision making Chapter Eight and reporting and utilization of results Chapter Nine are next addressed The final chapter of the book Chapter Ten considers the evaluation of educational products and materials

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develops model theory highlighting the model theory of the fields of real and complex numbers The interplay between logic and other areas of mathematics notably algebra number theory and combinatorics are illustrated in Chapters 5 6 8 14 and 16 For most of the text the only prerequisite is mathematical maturity The material should be accessible to first year graduate students or advanced undergraduates in mathematics graduate students in philosophy with a solid math background or students in computer science who want a mathematical introduction to logic Prior exposure to logic is helpful but not assumed Michigan School Moderator ,1899

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