

Graded Assignment

Unit Test, Part 2: Polynomials and Power Functions

Answer the questions. When you are finished, submit this assignment to your teacher by the due date for full credit.

Total score: ____ of 25 points

(Score for Question 1: ____ of 8 points)

Solve the equation $2x^2 + 10x = 0$. Check your solution(s) and state the final solution set. Show all your work.

Answer:

(Score for Question 2: ___ of 8 points)

Use successive differences to classify the function represented in the table. Show all your work.

x	-2	-1	0	1	2
$h(x)$	14	5	2	5	14

Answer:

(Score for Question 3: ____ of 9 points)

For the function $f(x) = -2x^4$, do the following:

- (a)** Complete a table of values containing at least five points.
- (b)** Sketch the function on the coordinate plane.
- (c)** Describe the function's end behavior.

Answer:

x	-2	-1	0	1	2
$f(x)$					

