

## Algebra 2

- Which of the following is a prime number?
  - 91
  - 119
  - 97
  - 133
- Which of the following pairs of numbers are prime twins?
  - 7, 9
  - 17, 19
  - 2, 4
  - 1, 3
- If  $x + y = 1$  and  $x^2 + y^2 = 2$ , find  $x^4 + y^4$ 
  - 4
  - $-1/2$
  - $7/2$
  - $\%$
- Determine the positive values of the unknown in the following simultaneous equations and give their product.
$$x(x + y) = 700 \qquad y(x + y) = 525$$
  - 350
  - 200
  - 250
  - 300
- What are the values of  $n$  if  $(2n - 6)$  is greater than 1 but less than 14?
  - 4, 5, 6, 7, 8, 9, 10
  - 4, 5, 6, 7, 8, 9
  - 3, 4, 5, 6, 7, 8
  - 2, 3, 4, 5, 6, 7
- Simplify  $i(\text{raised to } 29) + i(\text{raised to } 21) + i$ .
  - 1
  - $-2i$
  - $3i$
  - $2i$

# Gradpoint Algebra 2 Answers

**JL Elias**



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