

Clicker questions

Week 1 - Class 3

September 5, 2014

Question 1

The polynomial $x^2 - 5x + 6 = (x + 5)(x - 10) + 56$. Which of the following statements is true:

- A It has as factor $x + 5$.
- B It has as factors $x + 5$ and $x - 10$.
- C It has factors $x - 3$ and $x - 2$.
- D It doesn't factor.

Question 2

Consider the following statement: "We can **always** write a polynomial of degree two i.e. $ax^2 + bx + c$ as a product of two polynomials (none of which is constant) which have coefficients in the real numbers"

- A True, we can always do that.
- B Only when $c = 0$.
- C Sometimes, but not only when $c = 0$.
- D The question doesn't make sense.