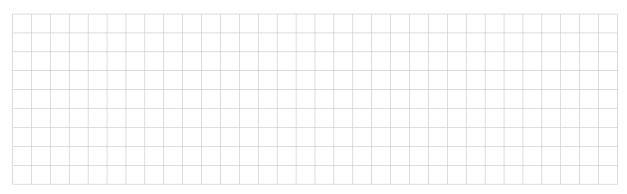
Question 3 (6 marks)

Let P(x) be a real cubic polynomial.

(a) If 2-i is a zero of P(x), find a real quadratic factor of P(x).



(2 marks)

(b) When P(x) is divided by (x-1) the remainder is 6, and when P(x) is divided by (x-2) the remainder is 5.

Find P(x).



(4 marks)