

(PB0101) Which of the following statements involving an integer x are true and which are false? Just write T or F, and perhaps also one remark about why you think this is the answer.

(a) $x^2 - 3x + 2 = 0 \Rightarrow x = 1$.

(d) $x^2 - 3x + 2 = 0 \iff x = 1 \text{ or } x = 2$.

(b) $x^2 - 3x + 2 = 0 \Leftarrow x = 1$.

(e) $x^2 - 3x + 2 = 0 \Rightarrow x = 1 \text{ or } x = 2 \text{ or } x = 3$.

(c) $x^2 - 3x + 2 = 0 \iff x = 1$.

(f) $x^2 - 3x + 2 = 0 \Leftarrow x = 1 \text{ or } x = 2 \text{ or } x = 3$.