If $(x+y)^2 = x^2 + y^2$, which of the following statements must also be true?

I. $x = 0$
II. $(x - y)^2 = x^2 + y^2$
III. $xy = 0$

(a) I only

(b) II only

(c) III only

(d) II and III

(e) None