5.5 Homework

Use the method of substitution to obtain a quadratic equation in only one variable.
Solve your equation, and find the possible pairs of values for x and y.

(**i**) $y = x^2$
$y = 10 - 3x$

(**ii**) $y = x^2$
$y = 8 - 7x$

(**iii**) $y = x^2$
$y = 5x + 36$

(**iv**) $y = x^2 + 20$
$y = 17x - 50$

(v) $y = x^2 - 2x + 1$
$y = 10x - 31$

(vi) $y = x^2 + 4x$
$y = 6x + 48$

(vii) $y = x^2 - 4x + 5$
$y = 3 - x$

(viii) $y = x^2 + 5x + 17$
$y = 2 - 3x$