Algebra 19 Simultaneous equations involving substitution

Example 1

Solve for x and y

X + y = 7

X2 + y2 = 25

Question 1

Solve for x and y

X – y = -3

X2 + y2 + 2x – 4y + 3 = 0

Question 2

Solve for a and b

A + 2b + 1 = 0

A2 – ab + b2 = 3

Question 3

Solve for x and y

2x + 5y = 1

X2 + 5xy – 4y2 = -10