

S4 Simultaneous Equations Homework

1) Use elimination to solve the following simultaneous equations:

a) $3x - y = 17$
 $4x + y = 32$

b) $2x + y = 15$
 $2x - 3y = 3$

c) $2x + y = 10$
 $x - 3y = -9$

d) $3x + 2y = 5$
 $4x - 5y = 22$

e) $3y = 7 - 7x$
 $5y + 6x = 23$

2) Use substitution to solve the following simultaneous equations:

a) $y = 5 - 2x$
 $y = 3x - 10$

b) $8x - 2y = 1$
 $y - 1 = 3x$