Solving Linear Simultaneous Equations by Substitution

(a) Solve $4x - y = 17$
$x = y + 2$

(b) Solve $2x + y = 6$
$y = 4x + 3$

(c) Solve $3x + 7y = 13$
$y = x - 11$

(a) Solve $4x - 3y = 7$
$3y = x + 5$

(b) Solve $y + 1 = 3x$
$2x - 3y = 24$

(c) Solve $3x + 5y = 29$
$y + 11 = 5x$

(a) Solve $4x + 6y = 74$
$11 - y = 2x$

(b) Solve $y - 8 = 6x$
$4x + 5y + 28 = 0$

(c) Solve $8 - x = 3y$
$10 - 3x = 5y$

(a) Given that $7x = 2y + 34$ and $3x + 5y + 3 = 0$, find the value of $x^2 + y^2$

(b) Solve $\frac{3x+1}{2} = y$
$5y - 4x = 13$

(c) Find the coordinates of intersection of the straight lines with equations
$y = 3x - 2$
$x + 3y = 19$

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