Simultaneous Equations Worksheet

Ex 1.

$3x + y = 7$	$x + y = 12$	$8x + 3y = 8$	$11x + 3y = 5$
$2x - y = 3$	$x - y = 2$	$5x - 3y = 5$	$7x - 3y = 13$

$8x + 6y = 2$	$5x + 2y = 9$	$4x + 3y = 11$	$10x + y = 34$
$2x - 6y = 3$	$2x + 2y = 6$	$4x + 5y = 13$	$2x + y = 10$

$x + 3y = 10$	$5x - 3y = -2$	$4x - 3y = 0$	$8x + 7y = 7$
$x - y = -2$	$-5x + y = 4$	$-4x + y = -8$	$10x - 7y = -7$

Ex 2.

$3x + 2y = 12$	$3x + 2y = 3$	$6x - y = -4$	$5x - y = 17$
$2x + y = 7$	$2x + y = 23$	$3x - 2y = 1$	$2x + 3y = 0$

$4x + 2y = 8$	$5x - 4y = 7$	$5x + 3y = 24$	$3x + 2y = 21$
$x + 3y = 2$	$7x - 2y = 17$	$x + 5y = -4$	$2x - y = 7$

$8x + 3y = 27$	$8x + 3y = 27$	$9x + 2y = -9$	$x + 2y = 0$
$2x - 5y = 1$	$2x - 5y = 1$	$18x - 5y = -18$	$5x - 5y = 0$

Ex 3.

$3x + 2y = 13$	$6x - 3y = 3$	$7x - 3y = 5$	$2x + 3y = 5$
$2x + 3y = 7$	$5x - 2y = 4$	$5y - 2x = 11$	$3x - 2y = 1$

$11x - 3y = 8$	$4x - 2y = 0$	$5x - 3y = 1$	$2x + 3y = -8$
$9x + 4y = 13$	$5x + 3y = -11$	$4x + 2y = 14$	$3x + 2y = -12$

Mixed Exercise

$4x - y = 5$	$4x - 3y = 5$	$3y - 8x = 24$	$2x - 3y = 1$
$2x + y = -2$	$2x + 3y = 3$	$3y + 2x = 9$	$11y - 7x = 5$

$5x - 4 = 4y$	$3x + 8y = 24$	$y = 13 - 4x$	$y + 1 = 2x$
$2y + 2 = x$	$x + y = 3$	$3x + 2y = 16$	$y = x + 2$