⑦ $-7x - 3y = -20$
$(+7x + 3y = 17)$
No solution.

⑧ $x + 10y = -27$
$(x + 6y = -15 \cdot) -1$

$x + 10y = -27$
$-x - 6y = 15$
$\dfrac{4y}{4} = \dfrac{-12}{4}$
$y = -3$

$x + 10y = 27$
$x + (10)(-3) = -27$
$x + (-30) = -27$
$x = -27 + 30$
$x = 3$

$(3, -3)$

⑨ $-9x - 6y = -9$
$(-4x - 3y = -3)\, 2$

$-9x - 6y = -9$
$+8x + 6y = +6$
$\dfrac{-x}{-1} = \dfrac{-3}{-1}$
$x = 3$

$-9x - 6y = -9$
$-9(3) - 6y = -9$
$-27 - 6y = -9$
$-6y = -9 + 27$
$\dfrac{-6y}{-6} = \dfrac{+18}{-6}$
$y = -3$

$(3, -3)$
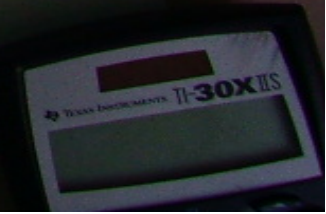
10) $(-5x + 8y = 25)2$

$6x - 16y = -30$

$-10x + 16y = 50$
$6x - 16y = -30$

$\dfrac{-4x}{-4} = \dfrac{+20}{-4}$

$x = -5$

$-5(-5) + 8y = 25$

$25 + 8y = 25$

$8y = 25 - 25$

$\dfrac{8y}{8} = \dfrac{0}{8}$

$y = 0$

$(-5, 0)$

11) $(-8x - 6y = 18) -7$
$(7x - 7y = -28) +6$

$+56x + 42y = -126$
$42x - 42y = -168$

$\dfrac{98x}{98} = \dfrac{-294}{98}$

$x = -3$

$-8(-3) - 6y = 18$

$+24 - 6y = 18$

$-6y = 18 + 24$

$\dfrac{-6y}{-6} = \dfrac{+6}{-6}$

$y = +1$

$(-3, +1)$

12) $(-8x - 9y = 26) 4$
$(7x + 4y = -15) 9$

$-32x - 36y = 104$
$63x + 36y = -135$

$\dfrac{31x}{31} = \dfrac{-31}{31}$

$x = -1$

$-8(-1) - 9y = 26$

$8 - 9y = 26$

$-9y = 26 - 8$

$\dfrac{-9y}{-9} = \dfrac{+18}{-9}$

$y = -2$

$(-1, -2)$