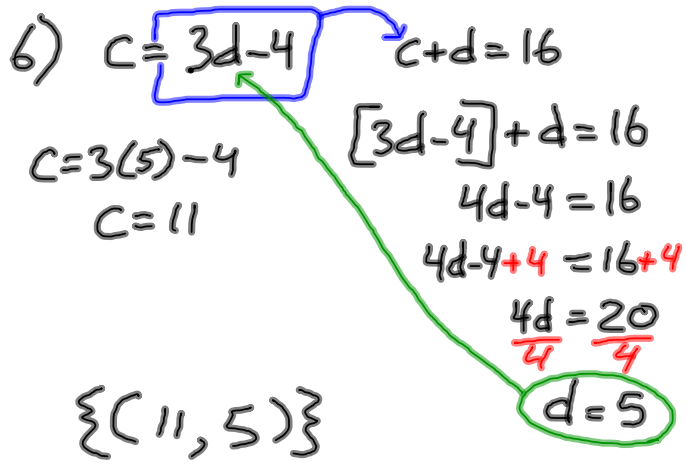
1) {(4,24)}
2) {(10,20)}
3) {(18,6)}
4) {(8,2)}
5) {(7,5)}
6) {(11,5)}
7) {(2,7)}
8) {(-4,-3)}

9) {(3,4)}
10) {(3,-2)}
11) {(5,-7)}
12) $\{(4,-\frac{1}{2})\}$
13) $\{(-1,\frac{2}{3})\}$
14) {(100,125)}
15) {(3,5)}

{(2,-1)}

{(8,-2)}



8) $3a = 2b - 6$ $\quad a = b - 1$

$3(b-1) = 2b - 6$

$3b - 3 = 2b - 6$

$3b - 2b - 3 = 2b - 2b - 6$

$b - 3 = -6$

$b - 3 + 3 = -6 + 3$

$b = -3$

$a = (-3) - 1$

$a = -4$

$\{(-4, -3)\}$

10) $3n + 5m = 7$ $\quad m - 4n = 6$

$m - 4n + 4n = 6 + 4n$

$m = 4n + 6$

$3n + 5[4n + 6] = 7$

$3n + 20n + 30 = 7$

$23n + 30 = 7$

$23n + 30 - 30 = 7 - 30$

$\frac{23n}{23} = \frac{-23}{23}$

$n = -1$

$m = 4(-1) + 6$

$m = 2$

$\{(2, -1)\}$

12) $3y - x = -9$

$3y - 3y - x = -9 - 3y$

$-x = -3y - 9$

$x = 3y + 9$

$2y + 5x = 11$

$2y + 5[3y + 9] = 11$

$2y + 15y + 45 = 11$

$17y + 45 = 11$

$17y + 45 - 45 = 11 - 45$

$\frac{17y}{17} = \frac{-34}{17}$

$y = -2$

$x = 3(-2) + 9$

$x = -6 + 9$

$x = 3$

$\{(3, -2)\}$

14) $3x + 2y = 11$

$3[-4y + 2] + 2y = 11$

$-12y + 6 + 2y = 11$

$-10y + 6 = 11$

$-10y + 6 - 6 = 11 - 6$

$\frac{-10y}{-10} = \frac{5}{-10}$

$y = -\frac{1}{2}$

$x - 2 = -4y$

$x - 2 + 2 = -4y + 2$

$x = -4y + 2$

$x = -4(-\frac{1}{2}) + 2$

$x = 2 + 2 = 4$

$\{(4, -\frac{1}{2})\}$