<u>Solve</u>

Solve the simultaneous equations

x - 3 = 14	$\frac{m}{6} = 12$	$2x^2 = 72$	3x + y = -4
3x = 2	6		3x - 4y = 6
4x = 8	$\frac{y}{4} = 10.5$	$x^2 = 196$	x + 3y = 12
x - 8 = 5	4	$x^2 + 5x - 24 = 0$	5x - y = 4
5 <i>y</i> = 45	2f + 7 = 18	$x^2 - x - 12 = 0$	5x + y = 21
x + x + x = 51	6w + 2 = 20		x - 3y = 9
t + t + t = 12	3x - 8 = 19		2. 4. 11
<i>n</i> + 7 = 103	4(x-5) = 18		3x - 4y = 11 $9x + 2y = 5$
x - 3 = 0	2(-, -1) = 12		
x - 2 = 6	3(x-4) = 12		2x + y = 18
8 + w = 6	3(m-4)=21		x - y = 6
4x - 3 = 14	5x-6=3(x-1)		
x 1	4(3x-2) = 2x - 5		
$\frac{x}{5} = 2\frac{1}{2}$	$\frac{5-x}{2} = 2x - 7$		
$\frac{y}{4} = 3$	2		

Solve the inequality

14n > 11n + 6 5(x + 3) < 60 $8 > 3 - \frac{1}{2}x$ 7x + 6 > 1 + 2x $3x + 5 \ge x + 17$ <u>Simplify</u>

4e + 6f + 7e - f	$2 \times n \times p \times 4$	$e \times e \times e \times f$
8x - 3 + 6x	$3 \times 4t$	$e \times e \times f \times f$
5p - 3p + p	$3f \times 5g$	$\frac{32q^9r^4}{4q^3r}$
10 + 3c + 5d - 7c + d	$t \times t$	$(5np^3)^3$
y + 3y - 2y	$7 \times e \times f \times 8$	
8a - 3a + 2a	$\frac{2n+6n}{2}$	$m^3 \times m^4$
3m-m-m+3m	$y \times y$	
$m^3 + m^3$	3 × <i>a</i> × 3 × <i>a</i>	
5a + 2 - a + 9		
$a \times a \times a + b + b$	$a \times b \times 7$	
$3a^2 + 7a + 3 - a^2 + 8a - 4$	$y \times y \times y$	
Expand and simplify	<u>Factorise</u>	
5(x + 3) - x + 2		

5(p+3) - 2(1-2p)		
n - (n + 1)	3 <i>n</i> + 12	$x^2 + 6x + 9$
7x - (3x - 2x)	5 - 10m	$x^2 + 4x + 3$
(x + 5)(x - 1)	$9b - 3b^2$	x ² – 100
(5x+2)(2x-3)		
(2x+1)(3x-2)	$2a^2b+6ab^2$	
$(x-8)^2$	$24y^2 - 20y$	