

$10x$
 10
 60
 70
 160
 1609
 1609
 7017
 70

 $\frac{2}{2}$
 $\frac{2}{2}$
 1

1) $2, 4, 1, 2, 1, 4, 4, 2, 4, 4$ $x-13z$

2) x haarder = $9 \rightarrow \frac{3h}{5}$, h saltorn = $6 \rightarrow \frac{2h}{5}$
 $\frac{2}{3}x = x - 15 \rightarrow 45 = x$
 $2x = 3x - 45$

3) $(x-2)^2 = x^2 - 100$ $x^2 = A, x = 6,76$
 $x^2 - 2(2x) + 4 = x^2 - 100$ 19
 $104 = 4x$
 $26 = x$

4) $4x - 16 > 64$
 $4x > 80$
 $x > 20$
 $\rightarrow 21$

5)

6) $(x-2)^2 = x^2 - 100$
 $x^2 - 2(2x) + 4 = x^2 - 100$
 $104 = 4x$
 $26 = x$
 8

$$\begin{array}{l|l}
 7) \quad 2a+1=b & a^2+(2a+1)^2=(3a-1)^2 \\
 3a-1=b & a^2+4a^2+4a=9a^2-6a+1 \\
 & 4a=10 \\
 & a=\frac{5}{2}
 \end{array}$$

8)

9)

10)

11)

$$12) \quad \frac{n(n+1)}{2} = 3003$$

$$n(n+1) = 6006$$

$$n = 77$$

$$\Rightarrow 77 = 14$$

$$13) \quad \begin{array}{l} A = \frac{1}{n} \\ B = \frac{1}{n+1} \\ C = n^2 \end{array} \quad \begin{array}{l} k(2) \\ x \end{array}$$

$$14) \frac{P(4)}{P(2)} = \frac{P(x)}{y} = P(x) \cdot P(y)$$
$$\frac{4}{2} = 4 - 2$$
$$\therefore 2 = \boxed{2}$$

$$15) (6-6)^{6+1} = 0$$
$$\therefore \boxed{= 1}$$