① $14+11=25$

② $23+10=33$

③ $29-15=14$

④ $35-18=17$

⑤
$$\begin{array}{r} 25 \\ \times\ 8 \\ \hline 200 \end{array}$$

⑥
$$\begin{array}{r} 29 \\ \times\ 12 \\ \hline 58 \\ 29+ \\ \hline 348 \end{array}$$

⑦
$$\begin{array}{r} 48 \\ 6\overline{)288} \\ 24- \\ \hline 48 \\ 48- \\ \hline 0 \end{array}$$

⑧
$$\begin{array}{r} 21.5 \\ 8\overline{)172} \\ 16- \\ \hline 12 \\ 8- \\ \hline 40 \\ 40- \\ \hline 0 \end{array}$$

⑨ $3^3 = 3\times3\times3 = 27$

⑩ $8^2 = 8\times8 = 64$

⑪ $2^2\times2^4 = 4\times(2^2)^2$

$= 4\times4\times4$

$= 64$

⑫ $2^3\times3^2 = 2\times2\times2\times3\times3$

$= 8\times9$

$= 72$

⑬ $(3^2)^2 = 3^4 = 81$

⑭ $\left(\frac{4^{10}}{4^8}\right)^2 = \left(4^{(10-8)}\right)^2$

$=(4^2)^2$

$=(16)^2$

$=256$

⑮ $25^{1/2}\times5^2 = \sqrt{25}\times5^2$

$= 5\times25$

$= 125$

⑯ $a=4^7=(2^2)^7=2^{14}$

$b=2^{13}$

$c=8^4=(2^3)^4=2^{12}$

urutan besar → kecil:

a, b, c

⑰ $(4+5)\times8 = 9\times8$

$=72$

⑱ $15\times4+10 = 60+10$

$=70$

⑲ $2^2\times4^2+9:3 = 4\times16+9:3$

$=4\times16+3$

$=64+3$

$=67$

⑳ $(10-8)\times(10+8) = 2\times18$

$=36$

㉑ $(150:6)-(96:4) = 25-24$

$=1$

㉒ $(2\times4)+9^2-12:4 = 8+81-\frac{12}{4}$

$=8+81-3$

$=86$

㉓ $(300:6)+(5^2-4^2)\times(10-8)$

$=50+(25-16)\times2$

$=50+9\times2$

$=50+18=68$

㉔ $(112:4)-3\times5 = 28-15$

$=13$

㉕ $x=2$

$2x+3 = 2\times2+3$

$=4+3=7$

㉖ $x=3$

$3x-9 = 3\times3-9 = 9-9=0$

㉗ $x=-1$

$x^2+1 = (-1)^2+1 = 1+1=2$

㉘ $x=-2$

$x^2+2x+1 = (-2)^2+2(-2)+1$

$=4-4+1$

$=1$

㉙ $f(x)=x^4-13x^2+36$

$f(2)=2^4-13(2)^2+36$

$=32-13\times4+36$

$=32-52+36$

$=16$

㉚ Panjang $\square$ $= 3x+1$

lebar $\square$ $= x-2$

$x=8$

Luas = panjang × lebar

$=(3x+1)(x-2)$

$=(3(3)+1)(3-2)$

$=10\times1$

$=10$

(31) $P_{balok} = x-1 = L_{balok}$

$T_{balok} = 2x+1$

$x = 4$

Volume (saat $x=4$) $= P_{balok} \times L_{balok} \times T_{balok}$

$= (x-1)^2 \times (2x+1)$

$= (x^2 - 2x + 1)(2x+1)$

$= (4^2 - 2(4) + 1)(2(4)+1)$

$= (16 - 8 + 1)(8+1)$

$= 9 \times 9$

$= 81$

(32) $y = ax + b$

kemiringan $= a = -2$

$(x, y) = (-1, 11)$

Maka: $11 = -2(-1) + b$

$11 = 2 + b$

$b = 9$