

① $y = 58$

② $x = 67$

③

$$\begin{array}{r|l}
 58 & 2 \\
 \hline
 58 & 29 \quad 2 \\
 \hline
 0 & 28 \quad 14 \quad 2 \\
 & 14 \quad 7 \quad 2 \\
 & 0 \quad 6 \quad 3 \quad 2 \\
 & 1 \quad 2 \quad 1 \\
 & 1
 \end{array}$$

$$111010_2$$

$$58_{10} = 111010_2$$

④

$$\begin{array}{r|l}
 67 & 2 \\
 \hline
 66 & 33 \quad 2 \\
 \hline
 1 & 32 \quad 16 \quad 2 \\
 & 16 \quad 8 \quad 2 \\
 & 0 \quad 8 \quad 4 \quad 2 \\
 & 0 \quad 4 \quad 2 \quad 2 \\
 & 0 \quad 2 \quad 1 \\
 & 0
 \end{array}$$

$$1000011_2$$

$$67_{10} = 1000011_2$$

⑤

$$\begin{array}{r}
 +1000011 \\
 111010 \\
 \hline
 1111101_2 \\
 -1-1
 \end{array}$$

⑥

$$\begin{array}{r}
 -1000011 \\
 111010 \\
 \hline
 0001001
 \end{array}$$

