

STANISLAV (B)

1.

$$2037 = 2 \cdot 4^3 + 0 \cdot 4^2 + 3 \cdot 4^1 + 7 \cdot 4^0 = 2 \cdot 64 + 0 + 12 + 7 = 128 + 12 + 7 = 147$$

ok (204)

2.

$$\begin{aligned} 996 : 5 &= 199 \text{ rem } 1 \\ 199 : 5 &= 39 \text{ rem } 4 \\ 39 : 5 &= 7 \text{ rem } 4 \\ 7 : 5 &= 1 \text{ rem } 2 \\ 1 : 5 &= 0 \text{ rem } 1 \end{aligned} = (12441)_5$$

ok (25)

3.

$$\begin{array}{r} 5167 \\ 4067 \\ \hline 1100 \\ 1066 \\ \hline \hline \end{array}$$

ok (23)

4.

$$\begin{array}{r} 11011 \\ 110 \\ \hline 00000 \\ 11011 \\ 11011 \\ \hline 10100010 \end{array}$$

ok (204)

5.

$$\begin{aligned} 1993 &= MCMXLIII \\ 378 &= CCCXXVIII \end{aligned}$$

6.

$$\begin{aligned} a) & 2566 \\ b) & 455 \end{aligned}$$

7.

$$\begin{array}{r} 4055 \\ 215 \\ \hline 434 \end{array}$$

ok (23)

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