4)

a) $248 \rightarrow$ 11 111 000

 1 $\rightarrow$ 0000000 1

 $\overline{00\,000000}$ $\rightarrow$ 0

 red = 135.1.0.0 $\rightarrow$

b) $192 \rightarrow$ 11 000000

 20 $\rightarrow$ $\underline{00010100}$

 $\overline{0000\,00\,00}$ $\rightarrow$ 0

 red = 222.1.1.0 $\rightarrow$

c) $192 \rightarrow$ 11 00 00 00

 11 $\rightarrow$ $\underline{0000\,10\,11}$

 $\overline{000000\,00}$

 red = 205.0.0.0 $\rightarrow$

d) 56.8.95.78/9

 0 0 111 000. 0000 1000. 0101 1111. 0100 1110

 red = 56.0.0.0 $\rightarrow$

e) 8.9.6.3/11

 0000 1 000. 0000 1001. 00 00 0110. 0000 0011

 red = 8.0.0.0 $\rightarrow$

5) B — A