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CSC6033

Week 1 In Class Exercise

March 22, 2025

a)

$$\begin{aligned} [2 \ 5] \times [6 \ 12] &= 72 \\ [2 \ 5] \times [9 \ 18] &= 108 \\ [2 \ 5] \times [11 \ 22] &= 132 \\ [2 \ 5] \times [13 \ 26] &= 156 \end{aligned}$$

$$\begin{aligned} [3 \ 8] \times [6 \ 12] &= 114 \\ [3 \ 8] \times [9 \ 18] &= 171 \\ [3 \ 8] \times [11 \ 22] &= 209 \\ [3 \ 8] \times [13 \ 26] &= 247 \end{aligned}$$

b)

$$\begin{aligned} [1 \ 2 \ 4] \times [3 \ 7 \ 11] &= 61 \\ [1 \ 2 \ 4] \times [5 \ 9 \ 13] &= 75 \end{aligned}$$

$$\begin{aligned} [8 \ 16 \ 32] \times [3 \ 7 \ 11] &= 488 \\ [8 \ 16 \ 32] \times [5 \ 9 \ 13] &= 600 \end{aligned}$$

$$\begin{aligned} [64 \ 128 \ 256] \times [3 \ 7 \ 11] &= 3904 \\ [64 \ 128 \ 256] \times [5 \ 9 \ 13] &= 4800 \end{aligned}$$