Don. 8/3

1) MMI g-mb H-ba (6 rouernauepu. cs.)

a) Teurgepo

$$\frac{|n|}{|\sum_{i=1}^{n} x_i y_i|} \leq \left(\frac{\sum_{i=1}^{n} |x_i|^p}{\sum_{i=1}^{n} |y_i|^p}\right)^{1/p} \left(\frac{\sum_{i=1}^{n} |y_i|^p}{\sum_{i=1}^{n} |y_i|^p}\right)^{1/p}$$

5) Munkolckoro:

$$\left(\frac{\sum_{i=1}^{n}|x_{i}+y_{i}|^{p}}{\sum_{i=1}^{n}|x_{i}|^{p}}\right)^{1/p} \leq \left(\frac{\sum_{i=1}^{n}|x_{i}|^{p}}{\sum_{i=1}^{n}|y_{i}|^{p}}\right)^{1/p} + \left(\frac{\sum_{i=1}^{n}|y_{i}|^{p}}{\sum_{i=1}^{n}|y_{i}|^{p}}\right)^{1/p},$$
 $p > 1$

$$\frac{2}{2} \int_{1}^{\infty} x_{i}^{2} \rightarrow extr$$

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$$\frac{3}{\sum_{i=1}^{n} (125|x_{ii}|^{3} + 8|x_{2i-1}|^{3})} \mapsto extr$$

$$\frac{h}{\sum_{i=1}^{n} (25|x_{ki}|^{2} + 9|x_{2i-1}|^{2})} = 16$$