

Name _____

Date _____

Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

a. 283×416

$$\approx \underline{300} \times \underline{400}$$

$$= \underline{120,000}$$

$$\begin{array}{r} 3 \quad 1 \\ 4 \quad 1 \\ 283 \end{array}$$

$$\begin{array}{r} \times 416 \\ 1698 \\ 2830 \\ + 113200 \\ \hline 117,728 \end{array}$$

b. $2,803 \times 406$

$$\approx \underline{3000} \times \underline{400}$$

$$= \underline{1,200,000}$$

$$\begin{array}{r} 3 \quad 1 \\ 4 \quad 1 \\ 2,803 \end{array}$$

$$\begin{array}{r} \times 406 \\ 16818 \\ + 1121200 \\ \hline 1,138,018 \end{array}$$