9-1. Given the function $AMY$ specified by the global input-output rule 

$$x \xrightarrow{AMY} AMY(x) = -3x + 6$$

find:

i. The local rule of $AMY$ near $\infty$

ii. The local graph of $AMY$ near $\infty$

iii. The Height-sign of $AMY$ near $\infty$

iv. The Slope-sign of $AMY$ near $\infty$

9-2. Given the function $SAM$ specified by the global input-output rule 

$$x \xrightarrow{SAM} SAM(x) = +5x - 6$$

find:

i. The local rule of $SAM$ near $0$

ii. The local graph of $SAM$ near $0$

iii. The Height-sign of $SAM$ near $0$

iv. The Slope-sign of $SAM$ near $0$

9-3. Given the function $FRAN$ specified by the global input-output rule 

$$x \xrightarrow{FRAN} FRAN(x) = +5x - 6$$

find:

i. The local rule of $FRAN$ near $-3$

ii. The local graph of $FRAN$ near $-3$

iii. The Height-sign of $FRAN$ near $-3$
iv. The *Slope-sign* of *FRAN* near $-3$

9-4. Given the function $MAC$ specified by the global input-output rule
\[ x \xrightarrow{MAC} MAC(x) = -3x + 6 \]

find:

i. The *local rule* of $MAC$ near $+2$

ii. The *local graph* of $MAC$ near $+2$

iii. The *Height-sign* of $MAC$ near $+2$

iv. The *Slope-sign* of $MAC$ near $+2$