FNMT **016** REALITY CHECK 1   NAME: _____

_____

Response Grid (Check the appropriate boxes thus: ⊠)

Question	a	b	c	d	e
1					
2					
3					
4					
5					
6					
7					
8					

After having read this chapter *pencil in hand* and done this REALITY CHECK

   i. What would you say the idea of this chapter is:

   ii. What question(s) do you have about this chapter:

Hw **1-1.** Which of the following are *nouns* of ARITHMETIC:

$$\begin{array}{ll} \text{M:} & < \\ \text{N:} & = \\ \text{P:} & 5 \\ \text{Q:} & -17.56 \\ \text{R:} & \div \end{array}$$

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

a. M, N   **b.** P, Q   **c.** All   **d.** None
e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ⊠..

Hw **1-2.** Which of the following are *verbs* of ARITHMETIC:

$$\begin{array}{ll} \text{M:} & < \\ \text{N:} & = \\ \text{P:} & 5 \\ \text{Q:} & -17.56 \\ \text{R:} & \div \end{array}$$

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

    a. M, N   **b.** P, Q   **c.** All   **d.** None
    e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ⊠..

Hw **1-3.** Which of the following are *sentences* of ARITHMETIC:

$$
\begin{array}{ll}
\text{M:} & 2+3 \\
\text{N:} & 2=3 \\
\text{P:} & 5 \\
\text{Q:} & 2<3 \\
\text{R:} & 2=2
\end{array}
$$

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

a. N, Q, R   **b.** M, N, Q, R   **c.** Q, R   **d.** None
e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..

Hw **1-4.** Which of the following are TRUE *sentences* of ARITHMETIC:

$$
\begin{array}{ll}
\text{M:} & 2+3 \\
\text{N:} & 2=3 \\
\text{P:} & 5 \\
\text{Q:} & 2<3 \\
\text{R:} & 2=2
\end{array}
$$

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

a. N, Q, R   **b.** M, N, Q, R   **c.** Q, R   **d.** None
e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..

Hw **1-5.** Which of the following are FALSE *sentences* of ARITHMETIC:

$$
\begin{array}{ll}
\text{M:} & 2+3 \\
\text{N:} & 2=3 \\
\text{P:} & 5 \\
\text{Q:} & 2<3 \\
\text{R:} & 2=2
\end{array}
$$

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

    a. N, Q, R   **b.** M, N, Q, R   **c.** Q, R   **d.** None
    e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..

Hw **1-6.** Given the real-world situation:

- The entities are three persons: **Anna**, **Beth** and **Cathy**.
- The relationship is **is a friend of** as determined by the following table:

is a friend of ↑	Anna	Beth	Cathy
Anna	yes	no	no
Beth	yes	yes	no
Cathy	yes	no	no

The symbolic-system is:

- The *vocabulary* consists of the following symbols:
  - Noun-symbols: a to represent **Anna**, b to represent **Beth**, c to represent **Cathy**.
  - Verb-symbol: F to represent **is a friend of**,
- The *grammar* says that the noun-symbols should be on either sides of the verb-symbol—just as in English.

Which of the following are *sentences* (in that language):

    M: aFb
    N: $a = a$

P: aFc
Q: aFd
R: Fab

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

   a. N, Q, R   **b.** M, P, Q   **c.** M, P   **d.** None
   e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..

Hw **1-7.** Given the real-world situation:

- The entities are three persons: ***Anna***, ***Beth*** and ***Cathy***.
- The relationship is ***is a friend of*** as determined by the following table:

is a friend of ↑	*Anna*	*Beth*	*Cathy*
Anna	*no*	*yes*	*no*
Beth	*yes*	*yes*	*no*
Cathy	*yes*	*yes*	*yes*

The symbolic-system is:

- The *vocabulary* consists of the following symbols:
  - Noun-symbols: a to represent ***Anna***, b to represent ***Beth***, c to represent ***Cathy***.
  - Verb-symbol: F to represent ***is a friend of***,
- The *grammar* says that the noun-symbols should be on either sides of the verb-symbol—just as in English.

Which of the following are FALSE (*sentences* about the real-world situation):

M:	aFa
N:	aFc
P:	cFb
Q:	cFa
R:	bFc

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

a. M, N, Q, R   **b.** M, N, R   **c.** M   **d.** R
e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..

Hw **1-8.** Given the real-world situation:

- The entities are three persons: ***Anna***, ***Beth*** and ***Cathy***.
- The relationship is ***is a friend of*** as determined by the following table:

is a friend of ↑	*Anna*	*Beth*	*Cathy*
Anna	*no*	*yes*	*yes*
Beth	*no*	*no*	*no*
Cathy	*yes*	*no*	*yes*

The symbolic-system is:

- The *vocabulary* consists of the following symbols:

– Noun-symbols: a to represent **Anna**, b to represent **Beth**, c to represent **Cathy**.

– Verb-symbol: F to represent **is a friend of**,

- The *grammar* says that the noun-symbols should be on either sides of the verb-symbol—just as in English.

Which of the following are TRUE (*sentences* about the real-world situation):

M:	aFa
N:	aFc
P:	cFb
Q:	cFa
R:	cFc

Your Work:

i. Explain your reasoning in getting your result.

ii. Circle which of the following choices matches exactly what you got above.

    a. Q, R   **b.** N, Q, R   **c.** N   **d.** R
    e. None of the preceding

iii. Check on the front page the box that corresponds to your choice thus ☒..