

FNMT 017 REVIEW I Test NAME: _____

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[Run: 01/23/2017 at 16:4 Seed: 8025. Order of Checkable Items: List.]

Response Grid (Check the appropriate boxes thus:)

Question	a	b	c	d	e
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This REVIEW I Test does *not* count. Its goal is only for you to get a realistic view of your understanding of the concepts in Part I at this point and, if you do not do any further thinking, of how you are likely to do on the forthcoming EXAM which *will* count toward your Final Grade.

Rv I-1. Given the signed numerators -13 and $+27$ *in that order*, what *strict* comparison sentence(s) is (are) TRUE?

M $-13 > +27$

N $-13 < +27$

O $-13 \leq +27$

P $-13 \geq +27$

- a. M and P b. N c. N and O d. Cannot compare because the signs are different
e. None of the previous choices

Rv I-2. Given the signed numerators -7 and $+3$ *in that order*, what *weak* comparison sentence is TRUE?

M $-7 < +3$

N $-7 \leq +3$

O $-7 \geq +3$

P $+3 \geq -7$

- a. M and N b. M c. P d. Cannot compare because the signs are different
e. None of the previous choices

Rv I-3. Given the signed numerators -73 and $+27$ *in that order*, what *size* comparison sentence(s) is(are) TRUE?

- a. -73 is more in *size* than $+27$ b. -73 is less in *size* than $+27$
c. -73 is the same in *size* as $+27$ d. Cannot compare because they have different signs.
e. None of the previous choices

Rv I-4. Given the data set

-3 Dollars, -2 Dollars, -1 Dollars, 0 Dollars, $+1$ Dollars, $+2$ Dollars,
 $+3$ Dollars

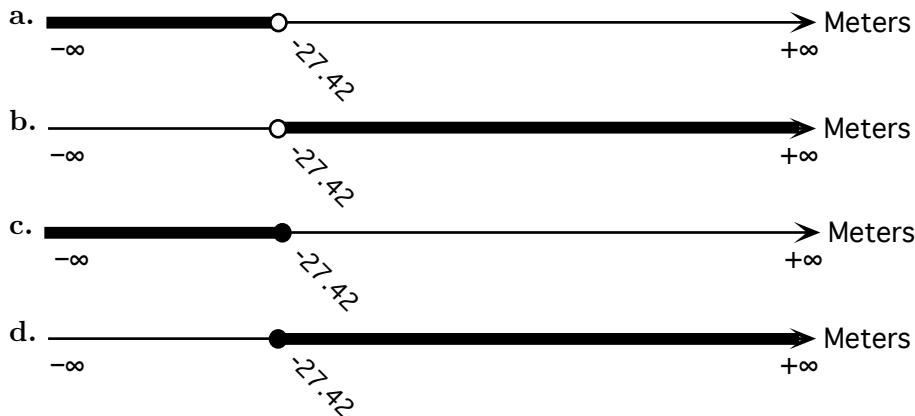
and the formula in Dollars

$$x \not< +2$$

What are the solutions in Dollars?

- a. $-3, -2, -1, 0, +1, +2$ b. $+2, +3$ c. $-3, -2, -1, 0, +1$ d. $+3$
e. None of the previous choices

Rv I-5. Given that the denominator is declared to be **Meters** and given that the data set is *all* signed decimal numberators and the formula is $x > -27.42$, what is the *graph* of the solution subset?



e. None of the previous choices

Rv I-6. Execute $+5 \oplus -9$

- a. +4 b. -4 c. -14 d. +14
e. None of the previous choices

Rv I-7. Execute $-31 \ominus -7$

- a. +24 b. -24 c. -38 d. +38
e. None of the previous choices

Rv I-8. The single action that gives the same result as a twenty-three dollars and fifty-two cents deposit followed by a sixty-eight dollars and seventy-six cents withdrawal is represented by what signed number-phrase?

- a. -92.28 Dollars b. -45.24 Dollars
c. +92.28 Dollars d. +45.24 Dollars
e. None of the previous choices

Rv I-9. You thought your balance was one hundred seventy-two dollars and fifty-seven cents in the black but you just found out that a twelve dollars and fifty-six cents check you had deposited bounced. What is the signed number-phrase that represents your new balance?

- a. +185.12 Dollars b. +160.01 Dollars
c. -185.12 Dollars d. -160.01 Dollars
e. None of the previous choices

Rv **I-10.** You thought your balance was one hundred seventy-two dollars and fifty-seven cents in the red but you just found out that an unjustified twelve dollars and fifty-six cents charge has been removed. What is the signed number-phrase that represents your new balance?

- a. +185.13 Dollars
- b. +160.01 Dollars
- c. -185.13 Dollars
- d. -160.01 Dollars
- e. None of the previous choices

Rv **I-11.** On Monday your balance was three hundred thirty-two dollars and seventy one cents in the red and on Thursday your balance was seventy-four dollars and forty-six cents in the red. What is the signed number-phrase that represents the change in your balance from Monday to Thursday?

- a. -407.17 Dollars
- b. +407.17 Dollars
- c. +258.25 Dollars
- d. -258.25 Dollars
- e. None of the previous choices

Rv **I-12.** On Tuesday your balance was six hundred three dollars and twenty-eight cents in the red and on Friday your balance was fifty-six dollars and three cents in the black. What is the signed number-phrase that represents the *change* in your balance from Tuesday to Friday?

- a. -547.25 Dollars
- b. +547.25 Dollars
- c. +659.31 Dollars
- d. -659.31 Dollars
- e. None of the previous choices

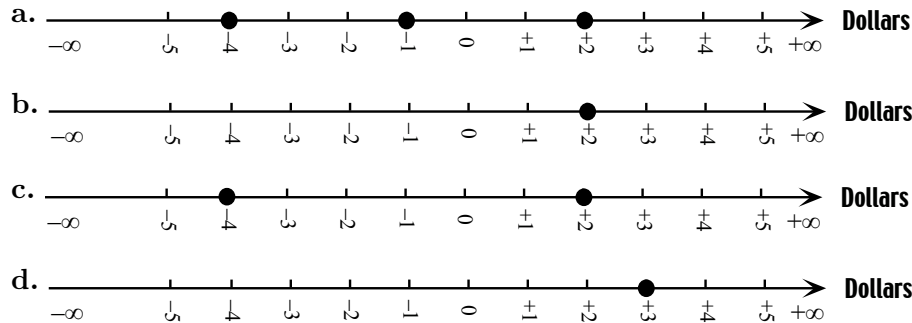
Rv **I-13.** Your balance was seventy-six dollars and thirty-eight cents in the red and you made an eight hundred seventy-six dollars and eleven cents withdrawal. What is the signed number-phrase that represents your new balance?

- a. +799.73 Dollars
- b. -952.49 Dollars
- c. +952.49 Dollars
- d. -799.73 Dollars
- e. None of the previous choices

Rv **I-14.** What is the *distance between* -332.71 Dollars and -74.46 Dollars

- a. -407.17 Dollars
- b. +258.25 Dollars
- c. 258.25 Dollars
- d. -258.25 Dollars
- e. None of the previous choices

Rv **I-15.** Plot the number phrase(s) that is/are at a 3 Dollars distance from -1 Dollars.



e. None of the previous choices

Rv I-16. Identify the specifying-phrase $(-116.72) \oplus (-54.07)$

- a. +62.65 b. +170.79 c. -62.65 d. -170.79
e. None of the previous choices

Rv I-17. Identify the specifying-phrase $+496.81 \ominus -52.59$

- a. -549.4 b. -444.22 c. +549.4 d. +444.22
e. None of the previous choices

Rv I-18. Identify $2 - 1 + 4 - 1 - 3 + 5 - 3 - 2 + 1 + 6 - 1 + 5 + 2$

- a. +3 b. -8 c. +8 d. 0
e. None of the previous choices

Rv I-19. What should you *add* to -3 **Dollars** in order to get +7 **Dollars**?

- a. -10 **Dollars** b. +4 **Dollars** c. -4 **Dollars** d. +10 **Dollars**
e. None of the previous choices

Rv I-20. What should you *subtract* from -3 **Dollars** in order to get +7 **Dollars**?

- a. -10 **Dollars** b. +4 **Dollars** c. -4 **Dollars** d. +10 **Dollars**
e. None of the previous choices

Rv I-21. Identify the specifying-phrase $[-4 \text{ Apples}] \times \left[-2 \frac{\text{Dimes}}{\text{Apple}}\right]$

- a. -8 b. +8 c. -8 **Dimes** d. +8 **Dimes**
e. None of the previous choices

Rv I-22. Given the following “events”

$$\text{Jack's "event"} = [+6 \text{ Apples}] \times \left[-3 \frac{\text{Dimes}}{\text{Apple}}\right]$$

and

$$\text{Jill's "event"} = [-2 \text{ Apples}] \times \left[+4 \frac{\text{Dimes}}{\text{Apple}}\right],$$

which of the following comparison sentences is TRUE?

- a. Jack's "event" $>$ Jill's "event" b. Jack's "event" $<$ Jill's "event"
 c. Jack's "event" \geq Jill's "event" d. Jack's "event" is smaller in *size* than Jill's "event"
 e. None of the previous choices

Rv I-23. Identify the specifying phrase

$$[+5 \text{ Apples}] \times \left[-4 \frac{\text{Dimes}}{\text{Apple}}\right] \oplus [+7 \text{ Bananas}] \times \left[+2 \frac{\text{Dimes}}{\text{Banana}}\right]$$

- a. -6 Dimes b. $+6$ Dimes c. -34 Dimes d. Cannot add Apples and Bananas
 e. None of the previous choices

Rv I-24. Given the following "events"

$$\text{Jack's "event"} = [-4 \text{ Apples}] \times \left[+6 \frac{\text{Dimes}}{\text{Apple}}\right]$$

and

$$\text{Jill's "event"} = [-5 \text{ Bananas}] \times \left[-3 \frac{\text{Dimes}}{\text{Banana}}\right],$$

identify the specifying-phrase Jack's "event" \ominus Jill's "event".

- a. -9 Dimes b. $+9$ Dimes c. -39 Dimes d. $+39$ Dimes
 e. None of the previous choices

Rv I-25. Identify the specifying phrase:

$$[+7 \text{ Apples}] \times \left[-5 \frac{\text{Dimes}}{\text{Apple}}\right] \ominus [+7 \text{ Bananas}] \times \left[-5 \frac{\text{Dimes}}{\text{Banana}}\right]$$

- a. -5 Dimes b. $+5$ Dimes c. -65 Dimes d. Cannot subtract Apples from Bananas
 e. None of the previous choices