

MATH 016 HOMEWORK 10 NAME: _____

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[Run: 07/24/2020 at 16:0 Seed: 6477. Order of Checkable Items: List.]

Response Grid (Check the appropriate boxes thus:)

| Question | a | b | c | d | e |
|----------|---|---|---|---|---|
| 1 | | | | | |
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After having read this chapter *pencil in hand* and done this HOMEWORK

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

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

Hw **10-1.** Execute the specifying-phrase $[4 \text{ Apples}] \times \left[2 \frac{\text{Dimes}}{\text{Apple}}\right]$

Your Work:

i. Explain your reasoning in getting your result.

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

- a. 8 b. 8 Apples c. 8 Dimes d. Cannot multiply Apples by Dimes
e. None of the above four choices

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

Hw **10-2.** Execute the specifying-phrase $[-4 \text{ Apples}] \times \left[-2.23 \frac{\text{Dimes}}{\text{Apple}}\right]$

Your Work:

i. Explain your reasoning in getting your result.

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

- a. -8 b. $+8$ c. -8 Dimes d. Cannot be done
 e. None of the above four choices

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

Hw 10-3. Execute the specifying-phrase $[+4 \text{ Apples}] \times \left[-2 \frac{\text{Dimes}}{\text{Apple}}\right]$

Your Work:

i. Explain your reasoning in getting your result.

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

- a. -8 b. $+8$ c. -8 Dimes d. $+8$ Dimes
 e. None of the above four choices

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

Hw 10-4. Execute the specifying-phrase $[+4 \text{ Apples}] \times \left[+2 \frac{\text{Dimes}}{\text{Apple}}\right]$

Your Work:

i. Explain your reasoning in getting your result.

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

- a. -8 b. $+8$ c. -8 Dimes d. $+8$ Dimes
e. None of the above four choices

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

Hw 10-5. Execute the specifying-phrase $[-4 \text{ Apples}] \times \left[-2 \frac{\text{Dimes}}{\text{Apple}}\right]$

Your Work:

i. Explain your reasoning in getting your result.

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

- a. -8 b. $+8$ c. -8 Dimes d. $+8$ Dimes
e. None of the above four choices

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

Hw 10-6. Given the following “events”

$$\text{Jack's "event"} = [-4 \text{ Apples}] \times \left[+3 \frac{\text{Dimes}}{\text{Apple}} \right]$$

and

$$\text{Jill's "event"} = [+2 \text{ Bananas}] \times \left[-5 \frac{\text{Dimes}}{\text{Banana}} \right],$$

which of the following comparison sentences is TRUE?

Your Work:

i. Explain your reasoning in getting your result.

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

- a. Jack's “event” > Jill's “event” b. Jack's “event” < Jill's “event”
 c. Jack's “event” is smaller in *size* than Jill's “event” d. Cannot compare **Apples** and **Bananas**
 e. None of the above four choices

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

Hw 10-7. Given the following “events”

$$\text{Jack's "event"} = [+3 \text{ Apples}] \times \left[-5 \frac{\text{Dimes}}{\text{Apple}} \right]$$

and

$$\text{Jill's "event"} = [-2 \text{ Bananas}] \times \left[-5 \frac{\text{Dimes}}{\text{Banana}} \right],$$

which of the following comparison sentences is TRUE?

Your Work:

i. Explain your reasoning in getting your result.

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

- a. Jack's "event" $>$ Jill's "event" b. Jack's "event" \geq Jill's "event"
 c. Jack's "event" is larger in *size* than Jill's "event" d. Cannot compare **Apples** and **Bananas**
 e. None of the above four choices

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

Hw 10-8. 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?

Your Work:

i. Explain your reasoning in getting your result.

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

- 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 above four choices

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

Hw 10-9. Given the following "events"

$$\text{Jack's "event"} = [-3 \text{ Apples}] \times \left[+7 \frac{\text{Dimes}}{\text{Apple}} \right]$$

and

$$\text{Jill's "event"} = [-4 \text{ Apples}] \times \left[-8 \frac{\text{Dimes}}{\text{Apple}} \right],$$

which of the following comparison sentences is TRUE?

Your Work:

- i. Explain your reasoning in getting your result.

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

- 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 larger in *size* than Jill's "event"
 e. None of the above four choices

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

Hw 10-10. Given the following "events"

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

and

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

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

Your Work:

i. Explain your reasoning in getting your result.

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

- a. -9 Dimes b. $+9$ Dimes c. -39 Dimes d. Cannot add **Apples** and **Bananas**
 e. None of the above four choices

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

Hw 10-11. Given the following "events"

$$\text{Jack's "event"} = [-2 \text{ Apples}] \times \left[-7 \frac{\text{Dimes}}{\text{Apple}}\right]$$

and

$$\text{Jill's "event"} = [+4 \text{ Apples}] \times \left[+5 \frac{\text{Dimes}}{\text{Apple}}\right],$$

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

Your Work:

i. Explain your reasoning in getting your result.

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

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

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