

MATH 017 HOMEWORK 16 NAME: \_\_\_\_\_

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[ Run: 02/04/2015 at 18:41 Seed: 6477. Order of Checkable Items: List.]

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**Response Grid** (Check the appropriate boxes thus:  )

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

The idea in this HOMEWORK is



Hw 16-1. Identify

$$5x^4 + 3x^2 + 4x \quad \boxtimes \quad 2x^3 + 7x$$

**Your Work:**

i. Explain your reasoning in getting your result.

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

- a.  $10x^7 + 41x^6 + 29x^5 + 28x^4$       b.  $10x^7 + 41x^6 + 8x^5 + 21x^4 + 28x^3$   
c.  $10x^7 + 41x^5 + 8x^4 + 21x^3 + 28x^2$       d.  $10x^7 + 6x^6 + 8x^5 + 35x^4 + 21x^3 + 28x^2$   
e. None of the preceding

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

Hw 16-2. Identify

$$5x^4 + 3x^2 + 4x \quad \boxtimes \quad 2x^3 + 7x$$

**Your Work:**

i. Explain your reasoning in getting your result.

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

- a.  $10x^7 + 41x^6 + 29x^5 + 28x^4$       b.  $10x^7 + 41x^6 + 8x^5 + 21x^4 + 28x^3$   
 c.  $10x^7 + 41x^5 + 8x^4 + 21x^3 + 28x^2$       d.  $10x^7 + 6x^6 + 8x^5 + 35x^4 + 21x^3 + 28x^2$   
 e. None of the preceding

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

*Hw 16-3.* Identify

$$2x^2 - 3x + 4x^{-1} \quad \boxed{\times} \quad -2x + 7x^{-1}$$

**Your Work:**

i. Explain your reasoning in getting your result.


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

- a.  $-4x^3 + 6x^2 + 14x - 29 + 28x^{-2}$       b.  $-4x^3 + 20x^2 - 29x + 28$   
 c.  $10x^3 - 15x^2 + 20x$       d.  $-4x^3 + 20x^2 - 29x + 28$   
 e. None of the preceding

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

*Hw 16-4.* Identify

$$-5h^2 + 3h^4 + 4h^5 \quad \boxed{\times} \quad -2h^3 + 7h^5$$

**Your Work:**

i. Explain your reasoning in getting your result.

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

- a.  $10h^5 + 41h^6 + 29h^7 + 28h^8$       b.  $10h^5 + 41h^6 + 8h^7 + 21h^8 + 28h^9$   
 c.  $10h^5 + 41h^7 + 8h^8 + 21h^9 + 28h^{10}$       d.  $10h^5 + 6h^6 + 8h^7 + 35h^8 + 21h^9 + 28h^{10}$   
 e. None of the preceding

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

*Hw 16-5.* Identify

$$5h^2 + 3h^4 + 4h^5 \quad \square \quad 2h^3 + 7h^5$$

**Your Work:**

i. Explain your reasoning in getting your result.

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

- a.  $10h^5 + 41h^6 + 29h^7 + 28h^8$       b.  $10h^5 + 41h^6 + 8h^7 + 21h^8 + 28h^9$   
 c.  $10h^5 + 41h^7 + 8h^8 + 21h^9 + 28h^{10}$       d.  $10h^5 + 6h^6 + 8h^7 + 35h^8 + 21h^9 + 28h^{10}$   
 e. None of the preceding

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

Hw 16-6. Identify

$$5h^{-2} + 3 + 4h \quad \boxtimes \quad 2h + 7h^3$$

**Your Work:**

i. Explain your reasoning in getting your result.


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

- a.  $10 + 41h + 29h^2 + 28h^3$       b.  $10h^{-1} + 41 + 8h + 21h^2 + 28h^3$   
c.  $10h^{-1} + 41h + 8h^2 + 21h^3 + 28h^4$       d.  $10 + 6h + 8h^2 + 35h^3 + 21h^4 + 28h^5$   
e. None of the preceding

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

**MATH 017 HOMEWORK 16 Answers**

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**Answer Key:**

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