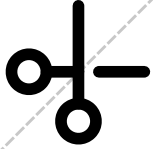


Do not  
write here!



Name:

Perm Number:

1

hw7

ME179P W21

## Homework Assignment #7

- Use a **DARK** pen or pencil, and write **INSIDE** the answer boxes provided.
- Write your name and perm number **CLEARLY** at the top of **EVERY** page, inside the boxes provided.

### Exercise 7.1: Completing a rotation matrix

E7.1(i) Answer:

# 2

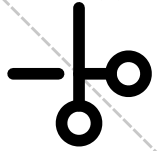
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ME179P W21

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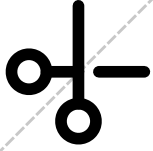
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E7.1(ii) Answer:

E7.1(iii) Answer:

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write here!



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## hw7

ME179P W21

### Exercise 7.3: Rotation matrices and dot products

E7.3(i) Answer:

E7.3(ii) Answer:

E7.3(iii) Answer:

# 4

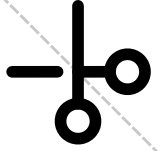
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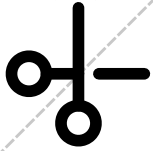
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write here!



## Exercise 7.4: Rotation matrices

E7.4 Answer:

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# 5

## hw7

ME179P W21

### Exercise 7.5: Reasoning about roll-pitch-yaw angles

E7.5(i) Answer:

E7.5(ii) Answer:

# 6

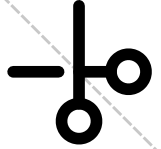
## hw7

ME179P W21

Name:

Perm Number:

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write here!



### Exercise 7.8: Composing rotation matrices

E7.8 Answer: