

Create Rubric

40 points

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Q2 Use of M_PI instead of existing PI

10 points

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⋮ 1 +10.0

All of the following are true:

- `math.h` is included using `#include`
- `PI` declaration is commented out or deleted
- all instances of `PI` are changed to `M_PI`

⋮ 2 +7.5

Both of the following are true:

- `math.h` is included using `#include`
- all instances of `PI` are changed to `M_PI`

The following is not true:

- `PI` declaration is commented out or deleted

⋮ 3 +5.0

Both of the following are true:

- `math.h` is included using `#include`

- `PI` declaration is commented out or deleted

The following is not true:

- all instances of `PI` are changed to `M_PI`

**4****+2.5**

The following is true:

- `math.h` is included using `#include`

Both of the following are not true:

- `PI` declaration is commented out or deleted
- all instances of `PI` are changed to `M_PI`

**5****+0.0**

None of the following are true:

- `math.h` is included using `#include`
- `PI` declaration is commented out or deleted
- all instances of `PI` are changed to `M_PI`

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Q3 Use of pow()

5 points

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1

+5.0

`(radius * radius * radius)` is replaced by
`pow(radius, 3)`



2

+0.0

`(radius * radius * radius)` is not replaced by
`pow(radius, 3)`

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Q4 Comments for fixed errors

10 points

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1

+10.0

At least 5 comments are provided listing fixes for errors.



2

+8.0

Exactly 4 comments are provided listing fixes for errors.



3

+6.0

Exactly 3 comments are provided listing fixes for errors.		
⋮	4	+4.0
Exactly 2 comments are provided listing fixes for errors.		
⋮	5	+2.0
Exactly 1 comment is provided listing fixes for errors.		
⋮	6	+0.0
No comments are provided listing fixes for errors.		
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Q5 Cleaned up large comment block at top

5 points

[Rubric Settings](#)

⋮	1	+5.0
Large instructions comment block at the top of the program file has been deleted.		
⋮	2	+0.0

Large instructions comment block at the top of the program file has not been deleted.

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Q6 Header Comment

5 points

Q6.1 Name

1 point

[Rubric Settings](#)

1 **+1.0**

Submitted program has a header comment with the student's name.

2 **+0.0**

Submitted program does not have a header comment with the student's name.

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Q6.2 Data

Q6.2 Date

1 point

[⚙️ Rubric Settings](#)

1

+1.0

Submitted program has a header comment with the date of submission.



2

+0.0

Submitted program does not have a header comment with the date of submission.

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Q6.3 Lab Section

1 point

[⚙️ Rubric Settings](#)

1

+1.0

Submitted program has a header comment with the student's specific lab section (ex: 001).



2

+0.5

Submitted program has a header comment with a specific lab section (ex: 001), but the lab section listed is

not the student's correct lab section.



3

+0.0

Submitted program does not have a header comment with the student's specific lab section (ex: 001).

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Q6.4 Lab Number

1 point

⚙️ [Rubric Settings](#)



1

+1.0

Submitted program has a header comment with the lab number (ex: Lab 1).



2

+0.5

Submitted program has a header comment with a lab number (ex: Lab 1), but the lab number is not correct.



3

+0.0

Submitted program does not have a header comment with the lab number (ex: Lab 1).

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Q6.5 Program Description

1 point

[Rubric Settings](#)

1

+1.0

Submitted program has a header comment with a short program description.



2

+0.0

Submitted program does not have a header comment with a short program description.

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Q7 Code Formatting

5 points

[Rubric Settings](#)

1

+5.0

Code is formatted in a readable way with matching indentation. Code otherwise follows standard

indentation. Code otherwise follows standard conventions as taught in lecture.



2

+3.0

Minor issues with code formatting that slightly impact readability.

This includes *one* of the following:

- Lack of indentation where appropriate
- Errant indentation on some lines



3

+1.0

Frequent issues with code formatting that significantly impact readability.

This includes *both* of the following:

- Lack of indentation where appropriate
- Errant indentation on some lines



4

+0.0

Code is not formatted in any recognizable way, making code entirely unreadable.

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03 Absence Penalty

Q8 Absence Penalty

0 points

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1

-0.0

Student was present in lab when required.



2

-0.0

Student was not present in lab, but provided a reasonable excuse. Responsible TA(s) will provide more information in comments.



3

-50.0

Student was not present in lab, and did not provide a reasonable excuse ahead of time. Responsible TA(s) will provide more information in comments.

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