Sample Questions for Midterm Exam

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• This sample set provides you an opportunity to practice the midterm exam.
• There will be no key solutions for these practice questions.
• There is NO guarantee that the same questions will appear in the midterm exam.

Problem 1 (5 points)

Explain the following definitions:
(a) Macros

Problem 2 (5 points)

What does the following statement print if $i$ has a value of 7? What does it print if $i$ has a value of -7?

```c
printf("%d\n", i >= 0 ? i : -i);
```

Problem 3 (5 points)

Describe the differences between expressions $i++$ and $++i$. 