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Homework 1, CPSC 3120

Spring 2022

**Question 1**

1. C) 4
2. A) x = 4
3. C) fg
4. E) it will loop indefinitely
5. It will print “ sat on the mat\n”

**Question 2**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2 1 2 3 4 | 10 |
| 2 4 3 1 2 | 10 |
| 3 1 2 3 4 5 6 7 8 9 | 30 |
| 3 9 8 7 6 5 4 3 2 1 | 30 |
| 4 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | 68 |
| 3 7 8 9 6 5 4 3 2 1 | 30 |
| 3 9 5 4 1 2 3 3 4 5 | 25 |

**Question 3**

1. (2) 50 50

35 50

1. (1) 10 20
2. 8 10
3. (5) it will loop indefinitely