```
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Question #1:
                                                                      color: Auto
a) 5
b) 8
c) 155 (f(x) will always be 3 more than f(x-1) for positive
x, so f(50) = 50 * 3 + 5)
Question #2:
a) p1 = num; (or p1 = &num[0];)
b) p1 = num + 99; (or p1 = &num[99];)
c) 99
d) 396 (99 * 4)
Question #3:
1) You need an address-of operator (&) before the "x" in the
"scanf".
2) The condition of the "do...while" should use an "||"
instead of an "&&".
3) There should not be a semicolon after the right
parenthesis of the first "for" loop.
\overline{4}) The condition of the second "for" loop should be "z <=
x".
5) Within the outer loop, you need the line "putchar('n')"
to end each row.
Ouestion #4:
x=400, z=700, *p1=400, *p2=700
x=1100, z=200, *p1=1100, *p2=200
Ouestion #5:
float compute_average(PNODE pList)
{
  int sum = 0;
  int count = 0;
  if (pList == NULL)
    return 0;
  while (pList != NULL) {
    sum = sum + pList->x;
    count = count + 1;
    pList = pList->next;
  }
  return (1.0 * sum / count);
}
```

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