QUIZ!
Use a full sheet of 8½x11" paper. (Half sheet? Half credit!)

Put only your last name in the far upper left hand corner of the sheet, where a staple would hit it. It's OK to write BIG, just start in the corner!

Avoid a ½-point deduction!

Keep answers short! Avoid full sentences. Feel free to abbreviate.

6 questions; 3 minutes; 3 points.

Numbering responses may help you avoid overlooking a question. You may go ahead and number your paper.
1. Give a definition for the term "L-value".

2. Add parentheses to \(*p++\) to show the order of operations.

3. If \(p\) is 100, describe a situation where \(p + 1\) would be 104.

4. Given \(\text{double } *vp = 0.0\), what is the type of \(*vp\)?

5. Given \(\text{char } *p = "abc"\), what is the value of \(*p++\)?

6. Given \(\text{int } a[] = \{10, 20, 30\}\), what is the value of \(\&a[2] - a\)?
Solutions

1. Give a definition for the term "L-value".
   An expression that specifies an object in memory.

2. Add parentheses to \(*p++\) to show the order of operations.
   \(* (p++)\)

3. If \(p\) is 100, describe a situation where \(p + 1\) would be 104.
   If \(p\) is \(\text{int } *p\). (Assuming \text{sizeof(int)} is 4.)

4. Given \(\text{double } *vp = 0.0\), what is the type of \(*vp\)?
   \(\text{double}\)

5. Given \(\text{char } *p = \text{"abc"}\), what is the value of \(*p++\)?
   \(\text{'a'}\)

6. Given \(\text{int } a[] = \{10, 20, 30\}\), what is the value of \&a[2] - a?\n   \(2\)