

**Instructions:** This is a closed book, closed note, and closed computer test. Please write your answer (A, B, C, or D) clearly in the Answer column. Please ensure your name is written above. Turn in your test when you are completed.

Problem	Question	Choices	Answer
1	What is the output of the following code:  cout << "Newlines: \"\\n\" or endl";	a) Newlines: \"\\n\" or endl b) Newlines: \n or endl c) Newlines: "n" or d) Newlines: "n" or endl	
2	What is the output of the following code:  cout.precision(5); cout.setf(ios::fixed); cout.setf(ios::showpoint); cout << "PI = " << 3.1415965359;	a) PI = 3.1415965359 b) PI = 3.14 c) PI = 3.14159 d) PI = 3.14160	
3	How do you read 3 integers from the keyboard into variables x, y, and z?	a) cin >> x >> y >> z; b) cin << x << y << z; c) cin.getline(x, y, z); d) cin >> x, y, z;	
4	Which of the following statements about data types is <u>not</u> true?	a) Booleans can be set to either false (0) or true (1) b) Characters are stored as numbers per the ASCII table c) All real numbers (numbers with decimals) can be represented exactly as either a float or a double. d) Text can be represented as an array of characters.	
5	What is the output of this code?  int x = 3; if (x < 4) { int y = x + 3; } cout << x << ", " << y;	a) Compiler Error b) Random Numbers c) 3,6 d) 3,	
6	What is the output of this code?  float f = (3 + 7 * 4 - (2 + 5) * 2) % 3; cout << f;	a) 0 b) 1 c) 2 d) 3	
7	What is the output of this code?  int x = 5; int y = x++; cout << x << ", " << y;	a) 5,5 b) 5,6 c) 6,5 d) 6,6	

Problem	Question	Choices	Answer
8	<p>What is the output of this code?</p> <pre> void work(int x, int &amp;y) {     x = 2 * x;     y = 3 * y; }  int main() {     int theX = 7;     int theY = 5;     work(theX, theY);     cout &lt;&lt; theX &lt;&lt; ", " &lt;&lt; theY;     return 0; } </pre>	<p>a) 7,5 b) 14,15 c) 7,15 d) 14,5</p>	
9	<p>How many inputs and outputs does this function have:</p> <pre> bool doSomething(int x, int y, int &amp;result) {     ... } </pre>	<p>a) 2 inputs and 2 outputs b) 3 inputs and 1 output c) 2 inputs and 1 output d) 3 inputs and 0 outputs</p>	
10	<p>Which of the following statements is <u>false</u>?</p>	<p>a) When comparing a value in an if statement, ensure that "==" (equivalence) is used instead of "=" (assignment). b) Semicolons should not be put at the end of an if statement. c) You always need an else statement with every if statement d) If you have more than one line of code to execute within an if block, then you need curly braces.</p>	