1. **GIVE TWO EXAMPLES** of unary arithmetic operations (NOT operators).
   (a) 
   (b) 

2. For the two examples of unary arithmetic operations, above, **WHAT ARE THE ASSOCIATED OPERATORS?**
   (a) 
   (b) 

3. **GIVE TWO EXAMPLES** of binary arithmetic operations (NOT operators).
   (a) 
   (b) 

4. For the two examples of binary arithmetic operations, above, **WHAT ARE THE ASSOCIATED OPERATORS?**
   (a) 
   (b) 

5. **WHAT IS THE DIFFERENCE** between dividing an int by an int and dividing a float by a float? **BE SPECIFIC AND USE THE CORRECT TERMINOLOGY.**

6. **WHAT IS THE DIFFERENCE** between dividing an int by a float and dividing a float by a float? **BE SPECIFIC AND USE THE CORRECT TERMINOLOGY.**

7. **WHY** is the use of numeric literal constants in the body (execution section) of a program considered to be bad programming practice?
8. **WHAT IS THE OUTPUT** of each of these programs? Examine the programs **CAREFULLY**. If a program won’t compile, mark **WON’T COMPILE** and **EXPLAIN**. If a program compiles and runs but does not produce any output, mark **NO OUTPUT** and **EXPLAIN**. If a program compiles and runs but produces garbage output, mark **GARBAGE** and **EXPLAIN**. If you are not confident of an answer, type in, compile and run the program.

(a) `#include <stdio.h>

    int main ()
    { /* main */
        int a = 5, b = 7, c;

        a = a + 5;
        c = a * b;
        printf("a = %d, b = %d, c = %d\n", a, b, c);
    } /* main */

(b) `#include <stdio.h>

    int main ()
    { /* main */
        int a = 5, b = 7, c;

        b = b * 5;
        c = a + b;
        printf("%d %d %d\n", a, b, c);
    } /* main */

(c) `#include <stdio.h>

    int main ()
    { /* main */
        float f = 1.0, g;
        int a = 5, b = 4, c, d;

        c = a / b;
        d = b / a;
        g = a / (f * b);
        printf("a = %d, b = %d, c = %d, d = %d\n", a, b, c, d);
        printf("f = %f, g = %f\n", f, g);
    } /* main */`
9. A C program has the following declarations:

```c
float x = 10.0, y = 5.5, z = 2.1;
int i = 3, j = 5, k = 7, m;
```

**Evaluate** each of the following expressions. **Show your work**, including the type of each subexpression (indicating a `float` with a decimal point). If the expression would compile and runs but would produce garbage output, mark **garbage** and **explain**. If you are not confident of your answer, type in, compile and run an appropriate program.

(a) `y / x`

(b) `i % j`

(c) `k + z`

(d) `100 / i - x`

(e) `324 / m - 12`

(f) `i % (j - 3) % 3`

If you use **any** resources other than Dr. Neeman, the TAs (Gheibi, Reynolds, Sadri, Valluru), the course textbook or the materials posted on the course webpage, you **must** reference them on the quiz. **This includes classmates, friends, professors, online resources, etc.**