**Exercise on Lesson 4**

Unless otherwise directed in the following problems, state what is printed. Some of these

problems may have incorrect syntax and in those cases you should answer that the code would

not compile.

1.

int h = 103;

int p =5;

System.out.println(++h + p);

System.out.println(h);

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2. Give three code examples of how to increment the integer *j* by 1.

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3.

double def;

double f = 1992.37;

def = f;

System.out.println(def);

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4. Write a **single** line of code that will print the integer variable *zulu* and **then** decrement its

value by 1.

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5.

int a = 100;

int b = 200;

b/=a;

System.out.println(b + 1);

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6. Write a **single** line of code that uses the compound operator, -=, to subtract *p-30* from the

integer value *v* and store the result back in *v*.

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7. Write a single line of code that does the same thing as #6 but without using - =.

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8.

int p = 40;

int q = 4;

System.out.println(2 + 8 \* q / 2 - p);

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9.

int sd = 12;

int x = 4;

System.out.println( sd%(++x) );

System.out.println(x);

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10.

int g;

3 = g;

System.out.println(++g\*79);

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11. On a single line of code declare *m*, *b*, and *f* to be *double* and on that same line initialize

them all to be 3.14.

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12. On a single line of code declare *x*, *y*, and *z* all to be of integer type.

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13.

int m = 36;

int j = 5;

m = m / j; // new m is old m divided by j

System.out.println(m);

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14.

System.out.println(3/4 + 5\*2/33 –3 +8\*3);

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15. What is the assignment operator?

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16. Write a statement that stores the remainder of dividing the variable *i* by *j* in a variable

named *k*.

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17.

int j = 2;

System.out.println(7%3 + j++ + (j – 2) );

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18. Show three different ways to decrement the variable *j*.

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