Review Questions

1.	When data cannot be changed after a class is compiled, the data is
	a. variable
	b. constant
	c. volatile
	d. mutable
2.	Which of the following is not a primitive data type in Java?
	a. boolean
	b. byte
	c. sector
	d. int
3.	Which of the following elements is not required in a variable declaration?
	a. a type
	b. an identifier
	c. an assigned value
	d. a semicolon
4.	The assignment operator in Java is
	a. =
	b. ==
	c. :=
	d. ::
5.	Assuming you have declared shoeSize to be a variable of type int, which of the
	following is a valid assignment statement in Java?

	a.	shoeSize = 9;
	b.	shoeSize = 9.5;
	c.	<pre>shoeSize = "nine";</pre>
	d.	Two of the above are valid.
5.	W	hich of the following data types can store the value 0 using the least amount of memory?
	a.	short
	b.	long
	c.	int
	d.	byte
7.	A	boolean variable can hold
	a.	any character
	b.	any whole number
	c.	any decimal number
	d.	the value true or false
3.	Th	the value 137.68 can be held by a variable of type
	a.	int
	b.	float
	c.	double
	d.	Two of these are correct.
€.	Ar	n escape sequence always begins with a(n)
	a.	e
	b.	forward slash
	C	backslash

10.	Wh	nich Java statement produces w on one line and xyz on the next line?
	a.	<pre>System.out.println("wxyz");</pre>
	b.	<pre>System.out.println("w" + "xyz");</pre>
	c.	<pre>System.out.println("w\nxyz");</pre>
	d.	<pre>System.out.println("w\nx\ny\nz");</pre>
11.	The	e remainder operator
	a.	is represented by a forward slash
	b.	must follow a division operation
	c.	provides the quotient of integer division
	d.	is none of the above
12.	Δc	anding to the mules of an austen muce deman villan division economic the same emithmentic
	110	cording to the rules of operator precedence, when division occurs in the same arithmetic
		tement as, the division operation always takes place first.
	stat	
	stat	rement as, the division operation always takes place first.
	stat a. b.	tement as, the division operation always takes place first. multiplication
	stata.	multiplication remainder
	stata. a. b. c. d.	rement as, the division operation always takes place first. multiplication remainder subtraction
	stata. a. b. c. d.	rement as, the division operation always takes place first. multiplication remainder subtraction Answers a and b are correct. e equal to relational operator is
13.	stata. a. b. c. d.	multiplication remainder subtraction Answers a and b are correct. e equal to relational operator is
13.	stata. b. c. d. The	multiplication remainder subtraction Answers a and b are correct. e equal to relational operator is
13.	state a. b. c. d. The a. b.	multiplication remainder subtraction Answers a and b are correct. e equal to relational operator is =

d. equal sign

	a.	issues an error message
	<mark>b.</mark>	implicitly converts the values to a unifying type
	c.	requires you to explicitly convert the values to a unifying type
	d.	implicitly converts the values to the type of the first operand
15.	If y	you attempt to add a float, an int, and a byte, the result will be a(n)
	<mark>a.</mark>	float
	b.	int
	c.	byte
	b.	error message
16.	Yo	ou use a to explicitly override an implicit type.
	a.	mistake
	b.	type cast
	c.	format
	d.	type set
17.	In .	Java, what is the value of $3 + 7 * 4 + 2$?
	a.	21
	b.	33
	c.	42
	d.	48
18.	Wl	hich assignment is correct in Java?
	a.	<pre>int value = (float) 4.5;</pre>
	b.	<pre>float value = 4 (double);</pre>
	c.	<pre>double value = 2.12;</pre>

```
d. char value = 5c;
```

19. Which assignment is correct in Java?

```
a. double money = 12;
```

c. double money =
$$12.0d$$
;

d. All of the above are correct.

20. Which assignment is correct in Java?

```
a. char aChar = 5.5;
```

d. Two of these are correct