

**QUESTION 1**

1. What is the output produced by this code?
**int** a = -5, b = 7;
System.*out*.println("a" + " + " + "b" + " = " + (a + b));

|  |  |  |
| --- | --- | --- |
|  |  | a + b = -57 |
|  |  | a + b = 2 |
|  |  | -5 + 7 = -57 |
|  |  | Nothing, this will not compile. |
|  |  | -5 + 7 = 2 |

**3 points**

**QUESTION 2**

1. Suppose you have a variable of type **Weasel** called **stoat**. How would you call its **avoid** method if the avoid method takes an **Animal object as a parameter**? (Assume **predator** is an Animal object.)

|  |  |  |
| --- | --- | --- |
|  |  | predator.avoid(stoat); |
|  |  | stoat.avoid("predator"); |
|  |  | stoat.avoid(predator); |
|  |  | Weasel.avoid(predator); |
|  |  | Weasel.avoid("predator"); |

**3 points**

**QUESTION 3**

1. Suppose you want to have multiple lines of code run if an if statement is true. Which of the following will allow you to do that?

|  |  |  |
| --- | --- | --- |
|  |  | Surround the code with () |
|  |  | You cannot do that; you need multiple if statements |
|  |  | Indent the code underneath the if |
|  |  | Surround the code with {} |

**QUESTION 26**

1. **How many iterations will the following for loop execute?**

for ( int i = 0; i < 20; i++) { }

|  |  |  |
| --- | --- | --- |
|  |  | 0 |
|  |  | 19 |
|  |  | 20 |
|  |  | 22 |

**2 points**

**QUESTION 27**

1. **How many iterations will the following for loop execute?**

for (int i = 5; i < 20; i++) { }

|  |  |  |
| --- | --- | --- |
|  |  | 15 |
|  |  | 14 |
|  |  | 0 |
|  |  | 16 |

**2 points**

**QUESTION 28**

1. **How many iterations will the following for loops execute?**

for ( int i = 1; i < 20; i \*= 2) { }

|  |  |  |
| --- | --- | --- |
|  |  | 10 |
|  |  | 5 |
|  |  | 0 |
|  |  | 4 |