

1. Describe the problem generics address.

Allows the definition of type safe data structure and defer the specification until it is declared or instantiated

2. How would you create a list of strings, using the generic List class?

```
List<string> list = new List<string>();
```

3. How many generic type parameters does the Dictionary class have?

2

4. True/False. When a generic class has multiple type parameters, they must all match.

True

5. What method is used to add items to a List object?

```
lst.Add(item)
```

6. Name two methods that cause items to be removed from a List.

```
lst.Remove(item), lst.Removeat(ind)
```

7. How do you indicate that a class has a generic type parameter?

```
class GenericClass<T>{}
```

8. True/False. Generic classes can only have one generic type parameter.

False

9. True/False. Generic type constraints limit what can be used for the generic type.

True

10. True/False. Constraints let you use the methods of the thing you are constraining to.

True