Module 7 quiz on code "dissection"

100%

1. Lines 54-58 show an example of

   `1 / 1 point`

   - ○ a constructor that makes an implicit call to a constructor in the super class.
   - ● a constructor that makes an explicit call to a constructor in the super class.
   - ○ a default constructor in a subclass.
   - ○ a mutator method that makes an explicit call to a constructor in the super class.

   ✓ **Correct**

2. Line _____ is the first line of a overridden method in the subclass.

   `1 / 1 point`

   78

   ✓ **Correct**

3. Line _____ is the first line of a mutator method that is inherited by the subclass.

   `1 / 1 point`

   17

   ✓ **Correct**

4. LIne _____ is the first line of a method in the super class that is not inherited by the subclass.

   `1 / 1 point`

   31

   ✓ **Correct**
   Correct! Because this is a private method, it is not inherited by the subclass.

5. Select **all** of the lines of code that could be written in the subclass. (i.e. would not cause a compile error or a runtime error)

☐

```
1    super.convertToString();
```

☑

```
1    setMonth(8);
```

✓ **Correct**

setMonth(8) is correct.

☐

```
1    String inputString;
2    ...
3    this.name = inputString;
```

☑

```
1    super.setMonth(8);
```

✓ **Correct**

super.setMonth(8); is correct.

☐

```
1    convertToString();
```

☑

```
1    int num = super.getDays();
```

✓ **Correct**

int num = super.getDays() is correct! The keyword **super** here is optional.

6.

Select all of the lines of code that could be written in a client file that was in the same project as the Month and SchoolMonth classes.

☑

```
1   SchoolMonth x = new SchoolMonth(7);
2   x.setMonth(3);
```

✓ Correct

☑

```
1   Month[] summer = new Month[3];
```

✓ Correct

☐

```
1   SchoolMonth y = new SchoolMonth(11);
2   y.semester = 'F';
```

☐

```
1   SchoolMonth x = new SchoolMonth(7);
2   setMonth(4);
```

☐

```
1   Month x = new Month();
```