

1a: 1. `studentName`  
2. `total_amount`  
3. `Java3Lesson`  
4. `$price`

1b: 1. `3total`

Explanation to 1: Because identifiers cannot begin with a digit.

2. `class`

Explanation to 2: Because it is a reserve keyword in Java.

3. `student-name`

Explanation to 3: Because the hyphen (-) is not allowed only letters, digits, `_`, and `$` are valid characters.

4. `void`

Explanation to 4: Because it is a reserve keyword and it is used for return type methods.

2a: `int numBeads;`  
    `numBeads = 5;`  
2b: `int numBeads = 5;`

3a: 13

3b: 11

4a: `int`  
4b: `double`  
4c: `int`  
4d: `double`  
4e: `boolean`  
4f: `char`

5a: Primitive = raw value  
    Abstract type = object reference

5b: Class - defines structure.  
    Object - house built from the plan.

11a:  $y = (\text{int}) (j * k)$ ; needs casting type

11b:  $z = j * k$ ; no type casting needed