

AP[®] COMPUTER SCIENCE A

2014 SCORING GUIDELINES

Question 4: Trio

Class:	<code>Trio</code>	9 points
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Intent: *Define implementation of `MenuItem` interface that consists of `sandwich`, `salad`, and `drink`*

- +1 `public class Trio implements MenuItem`
- +1 Declares appropriate `private` instance variables
- +2 Implements constructor
 - +1 `public Trio(Sandwich sandwich, Salad salad, Drink drink)`
 - +1 Initializes appropriate instance variables using parameters
- +1 Implements interface methods
(`public String getName(){...}`, `public double getPrice(){...}`)
- +1 Constructs correct name string and makes available for return in `getName`
- +1 Returns constructed name string in `getName`
- +1 Computes correct price and makes available for return in `getPrice`
- +1 Returns computed price in `getPrice`

Question-Specific Penalties

- 0 Missing or extra spaces in name string, "trio"
- 1 (w) Extraneous default constructor that causes side effect