Mini Quiz 14

Name:	 	
Kerberos: _	 	

Consider the following class hierarchy:

class X {	class Y extends X {}	class Z extends Y {}
Y foo(Y y) { }		
,		

Q: Write "typecheck" or "type error" below each of the class definitions below if it would successfully type check or if it would throw an error:

<pre>class A extends X { Z foo(Z z) { } }</pre>	<pre>class B extends X { X foo(X x) { } }</pre>	<pre>class C extends X { Z foo(X y) { } }</pre>	<pre>class D extends X { X foo(Z y) { } }</pre>
Type Error	Type Error	Type checks!	Type Error

- Q: When would be best to check conditions like the above? (mark an X by the best time):
 - [] When parsing
 - [X] When creating the IR
 - [] When generating code