

Fill in the eight blanks in the following program so that it would compile and run without any errors. Provide a rationale for your answers.

Blank #	Code to fill in	Explanation
1	"-2-5-"	the foo method in class X would produce "-x-y-"
2	"-10-"	the foo method in class Z would produce "-x(x,y)-"
3	public interface	V must be an interface because classes Y and X implement V
4	public class	class definition for Y
5	public class	class definition for X
6	X	Name of class goes at beginning of constructor
7	class	only class because it extends superclass X
8	super	class Z inherits from class X, so you need a call to the superconstructor in X