SEG2105: Assignment 2

Matt Langlois - 7731813

Part 1

Question 1:

D) Part1D.ump or http://cruise.eecs.uottawa.ca/umpleonline/umple.php?model=151002906586

E) Part1E.ump or http://cruise.eecs.uottawa.ca/umpleonline/umple.php?model=151004136162

G) Part1G.ump or http://cruise.eecs.uottawa.ca/umpleonline/umple.php?model=151004567585

Question 2:

C) I would make star a sub class of ArbitraryPolygon because it is neither a simple polygon or elliptical in shape. A star has an arbitrary amount of points (a regular star would have 10 points). Hence the ArbitraryPolygon would be best suited to be the superclass of a star.

Question 3:

c) No dynamic binding is required since the Polygon class implements the getBoundingRect method.

d) Dynamic binding is required to lookup the getScale method since it is not directly implemented in the EllipticalShape class.

e) Dynamic binding is required to lookup the translate function since the RegularPolygon does no implement this function.

Part 2

See: Part2.ump or http://cruise.eecs.uottawa.ca/umpleonline/umple.php?model=15100438662