

Circles in Triangles	Rubric	
	Points	Section points
1. Triangle AOY is congruent to triangle AOX (Hypotenuse – Leg Postulate)	1	1
2. Triangle COZ is congruent to triangle COX (Hypotenuse – Leg Postulate) CZ = CX CZ = CX = 4 – r Accept alternative methods	1 1	2
3. Since triangle AOY is congruent to triangle AOX AY = AX = 3 – r Since AC = AX + XC $5 = 3 - r + 4 - r$ $r = 1$ Accept alternative methods such as using the Pythagorean Rule.	1 1 1	3
4. Draws in construction lines and uses a similar method to Question #3, $13 = 5 - r + 12 - r$ $r = 2$	1 2 1	4
Total Points		10