Q: Consider two bubbles of radii 3 cm and 4 cm. When they partially merge, what is the angle between the tangents to the first ~~circle~~ bubble and the area common to both bubbles?

Level: Physics Banjinga first level. It can be logically derived from Lami's theorem and the fact that surface tensions on all the spheres' surfaces at the line of contact should be equal in magnitude

$\Rightarrow$ angle = $120°$.