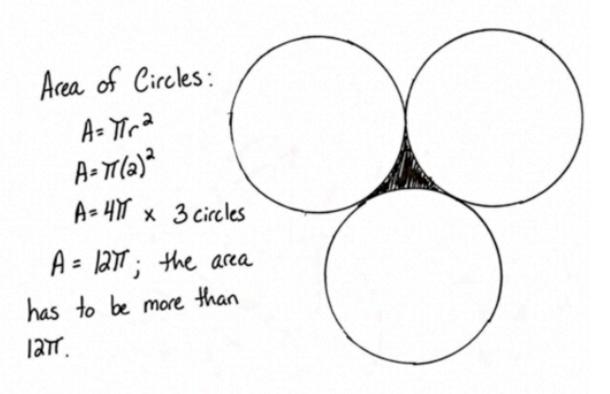
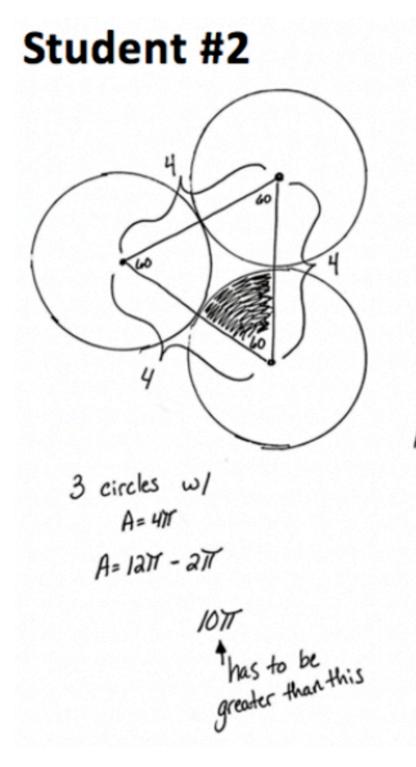
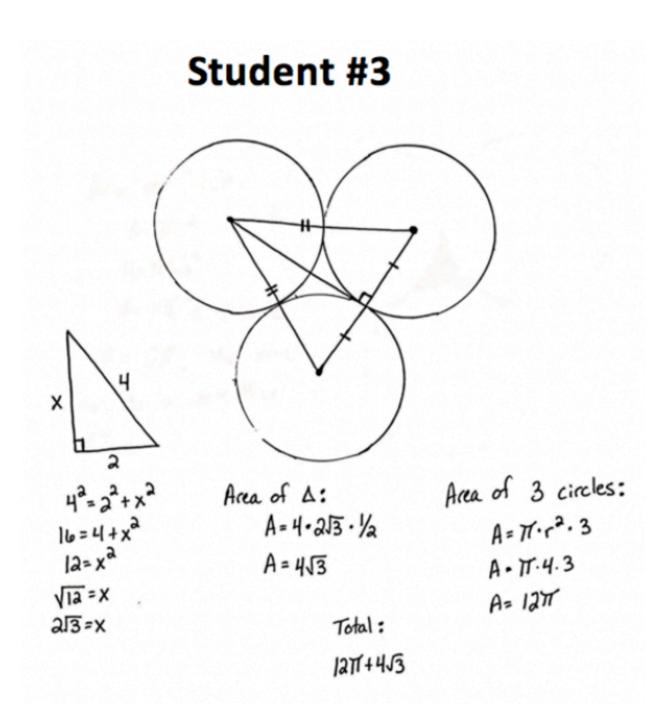
Mutually Tangent Circles Student Work Samples

Student #1

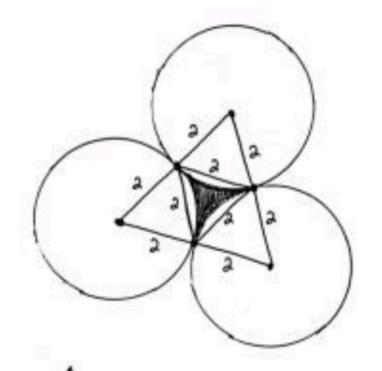




Area of circle: $A = 4 \pi^{2}$ $A = 4\pi^{2}$ $A = 4\pi^{2}$ Area of shaded region: $A = 4\pi^{2} = \frac{2\pi}{3}$ X = 3 $\frac{2\pi}{3} = 2\pi$



Student #4



4 + 1+x2 3=x2 √3=x A= 3-2-53 A= 53 × 3



313