

$$X_a = \frac{3200 - 160}{300.15} (-40.2) = -407.16$$

$$Y_a = \frac{3200 - 160}{300.15} (-79.1) = -801.15$$

$$X_b = \frac{3200 - 420}{300.15} (-69.1) = -640.01$$

$$Y_b = \frac{3200 - 420}{300.15} (68.3) = 632.60$$

$$X_c = \frac{3200 - 70}{300.15} (65.9) = 687.21$$

$$Y_c = \frac{3200 - 70}{300.15} (81.4) = 848.85$$

$$\overline{AB} = \sqrt{(407.16 - 640.01)^2 + (801.15 + 632.60)^2} =$$

$$\overline{BC} = \sqrt{(640.01 + 687.21)^2 + (632.6 - 848.85)^2} =$$

$$\overline{CA} = \sqrt{(687.21 + 407.16)^2 + (848.85 + 801.15)^2} =$$