

### Binary Liquid Vapor Equilibrium

Name \_\_\_\_\_

T(°C)	n <sub>D</sub> pot	n <sub>D</sub> distillate	X <sub>chloroform</sub>	Y <sub>chloroform</sub>	X <sub>acetone</sub>	Y <sub>acetone</sub>

T(°C)	X <sub>acetone</sub>	Y <sub>acetone</sub>	Y <sub>acetone</sub> P <sub>tot</sub>	P <sup>o</sup> <sub>acetone</sub>	X <sub>acetone</sub> P <sup>o</sup> <sub>acetone</sub>	γ <sub>acetone</sub>

P<sub>tot</sub> = \_\_\_\_\_

A = \_\_\_\_\_

B = \_\_\_\_\_

C = \_\_\_\_\_

Attach a plot of your phase diagram and your plot of P<sub>acetone</sub>/X<sub>acetone</sub> verses X<sub>acetone</sub> and your plot of γ<sub>acetone</sub> verses X<sub>acetone</sub>