$$y' = \beta_{1} \times x + a', \quad y' = 2n(2/x), \quad a' = 2n(\alpha_{1})$$

$$\overline{X} = \frac{8.5}{9} = 0.944, \overline{Y}' = -.6095$$

$$\overline{Y} = \frac{9(-9.0399) - 8.5(-.8095)}{9} = -.068$$

$$\overline{Y} = \frac{9(-9.0399) - 8.5(-.8095)}{9(11.45) - (8.5)^{2}} = -2.423$$

$$a' = -6.068 + 2.473(0.944) = 2.267$$

$$y' = -2.473x + 2.267$$