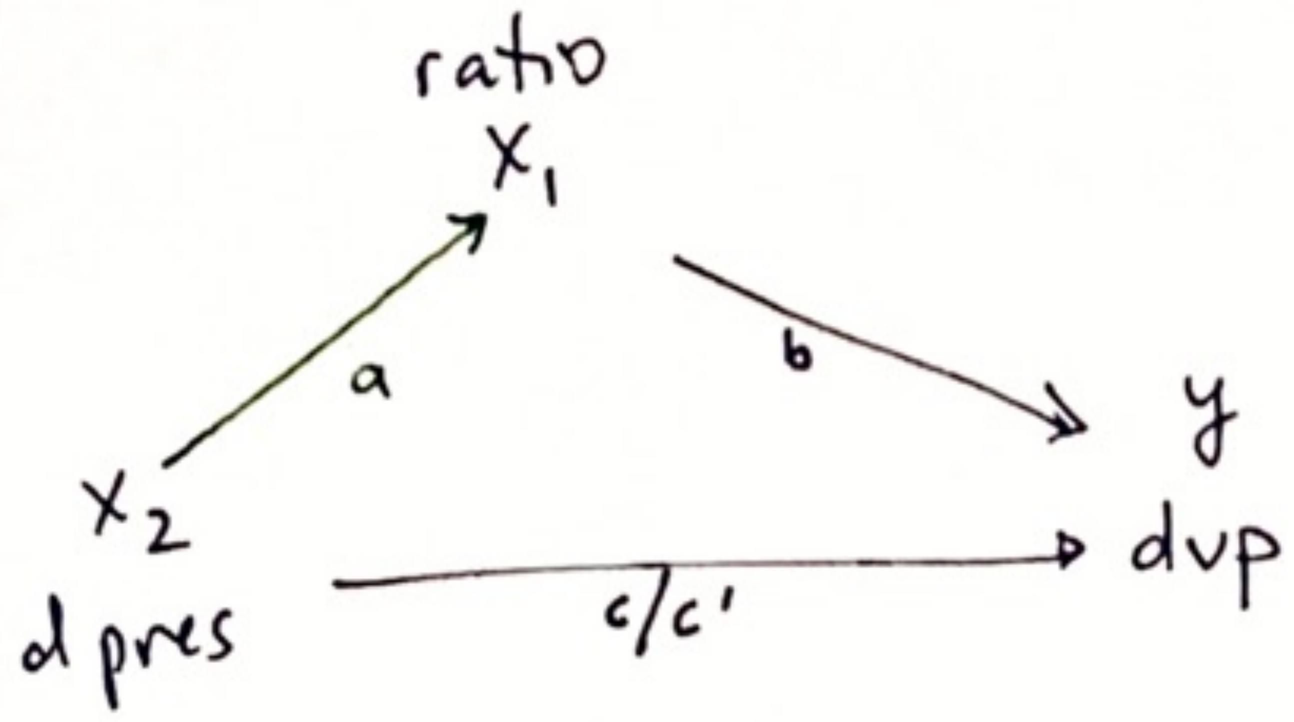

simple$_{(x_1)}$

$\frac{cov(x_1, y)}{var(x_1)} = \tilde{\beta}_1 =$ ______

$se(\tilde{\beta}_1)$ ______

simple$_{(x_2)}$

$\frac{cov(x_2, y)}{var(x_2)} = \tilde{\beta}_2$ ______ $= c$

$se(\tilde{\beta}_1)$ ______

multiple$_{(x_1)}$

$\hat{\beta}_1$ ______ $= b$

$se(\hat{\beta}_1)$ ______ $= se(b)$

multiple$_{(x_2)}$

$\hat{\beta}_2 =$ ______ $= c'$

$se(\hat{\beta}_2) =$ ______

remember: $\hat{\beta}_2 = \tilde{\beta}_2 - \hat{\beta}_1 \cdot a$

$\therefore b \cdot a \doteq \hat{\beta}_1 \cdot a = \tilde{\beta}_2 - \hat{\beta}_2 = c - c'$

x_1 partialled $(\hat{r}_1)$

$\beta_1' =$ ______

$se(\beta_1') =$ ______

x_1 partialled (x_2)

$\beta_2' =$ ______

$se(\beta_2') =$ ______

partialing/mediating

$\frac{cov(x_1, x_2)}{var(x_2)} = \gamma_1 =$ ______ $= a$.

$se(\gamma_1) =$. $= se(a)$

$\tilde{\beta}_2 - \hat{\beta}_2 = c - c' =$

$$\frac{a \times b}{\sqrt{b^2 \cdot (se(a))^2 + a^2 (se(b))^2}} = \text{______}$$

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