$$t = \frac{m - \mu}{SE}$$

$$t = \frac{m_{d.f} - (\mu_{d.f})^{0}}{SE_{d.f}}$$

$$t = \frac{m_1 - m_2 - (\mu_1 - \mu_2)^{0}}{SE_{Pooled}}$$

$$S^2_{pooled} = \frac{df_1}{df_T} \cdot S_1^2 + \frac{df_2}{df_T} \cdot S_2^2$$

$$SD_{pooled} = \sqrt{\frac{df_1}{df_T} \cdot SD_1^2 + \frac{df_2}{df_T} \cdot SD_2^2}$$

$$d = \frac{M_1 - M_2}{SD_{pooled}}$$

$$SE = \sqrt{\frac{SD^2}{n}}$$

$$SE_{pooled} = \sqrt{\frac{SD_1^2}{n_1} + \frac{SD_2^2}{n_2}}$$

$S_{difference}$

	Group 1	Group 2
N	20	40
s^2	2.4	2.8
M	12	11.1

$$SD_p^2 = \frac{19}{58}\cdot 2.4 + \frac{39}{58}\cdot 2.8$$

$$.33 \cdot 2.4 + .67 \cdot 2.8$$

$$= 2.67$$

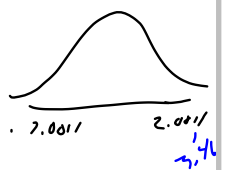
$$SD_p = 1.63$$

$$SE_p = \sqrt{\frac{2.67}{20} + \frac{2.67}{40}} = .26$$

$$t = \frac{12 - 11.1}{.26} = 3.46$$

$$d = \frac{12 - 11.1}{1.63} = .55$$

$t(58)_{.05} = \pm 2.004$



$t(58) = 3.46, p < .05, d = .55$