



$$l_1 = \underline{\hspace{2cm}}$$

$$l_2 = \underline{\hspace{2cm}}$$

$$l_3 = \underline{\hspace{2cm}}$$

$$\cos \theta_1 = \frac{\text{length of adjacent side}}{\text{length of hypotenuse}} = \frac{l_3}{l_2}$$

$$\theta_1 = \cos^{-1} \left( \frac{l_3}{l_2} \right) = \underline{\hspace{2cm}}$$

$$l_4 = \underline{\hspace{2cm}}$$

$$l_5 = \underline{\hspace{2cm}}$$

$$h_{\text{mound}} = \underline{\hspace{2cm}}$$

$$d_{\text{mound}} = \underline{\hspace{2cm}}$$

$$\theta_2 = \tan^{-1} \left( \frac{d_{\text{mound}} - l_3}{l_2 \sin \theta_1 + l_1 - l_4} \right) \quad \theta_3 = \tan^{-1} \left( \frac{d_{\text{mound}} - l_3}{l_2 \sin \theta_1 + l_1 - l_5} \right)$$

$$\Delta \theta = \theta_2 - \theta_3 = \underline{\hspace{2cm}}$$