

Project 1

Name: _____

Consider the lines:

$$y = m_1x + b_1 \quad (1)$$

$$y = m_2x + b_2 \quad (2)$$

where $m_1 \neq m_2$.

Write the formula for the area of the triangle enclosed by the two lines and the x -axis in terms of m_1, m_2, b_1 , and b_2 .
Be sure to consider all cases.