Gradient Calculation (example)

channel gradient between B and C = \frac{\text{change in elevation}}{\text{change in distance}} = \frac{3000 - 2200 \text{ feet}}{170 - 60 \text{ miles}} = \frac{800 \text{ feet}}{110 \text{ miles}} \times \frac{1 \text{ mile}}{5280 \text{ feet}} = 0.001377

convert to similar units