

Slope Problems

Problems

1. The segment between (x, y) and $(3, 1)$ has slope $\frac{5}{12}$ and length 6.5. Find (x, y) .
2. Triangle ABC has vertices $A = (1, 2)$, $B = (6, 1)$, and $C = (3, 7)$. Which side of the triangle has the steepest slope? Which has the shallowest slope?