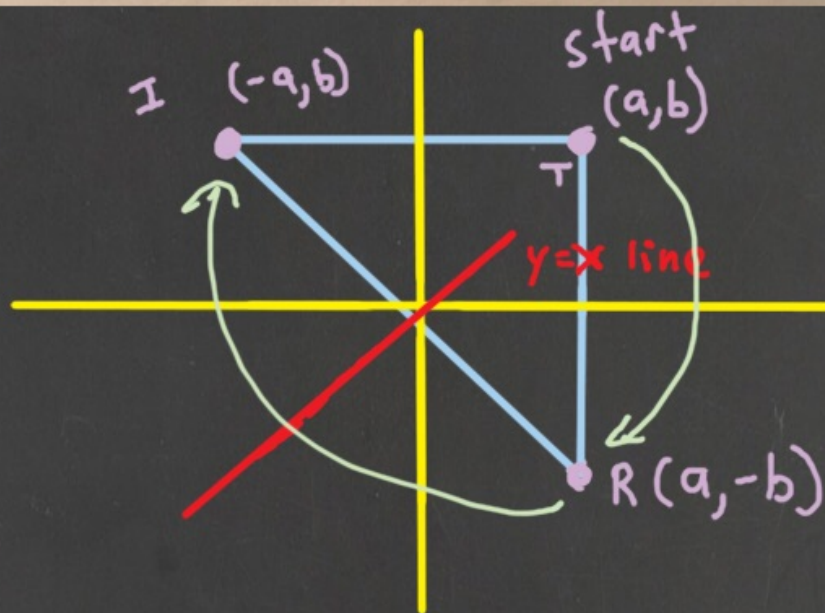


Point  $T = (a, b)$  in the first quadrant is reflected about the  $x$ -axis to a point  $R$ . Then point  $R$  is reflected about the line  $y = x$  to a point  $I$ . What is the area of triangle  $TRI$ ?



$$\begin{aligned} \text{Area} &= \frac{1}{2}(2a)(2b) \\ &= 2ab \end{aligned}$$

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