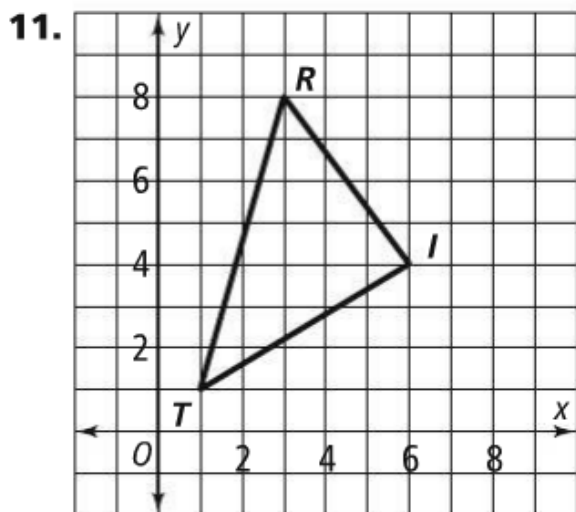
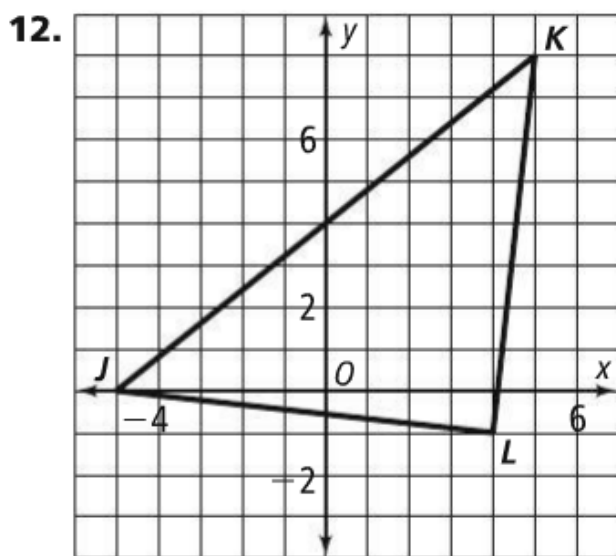


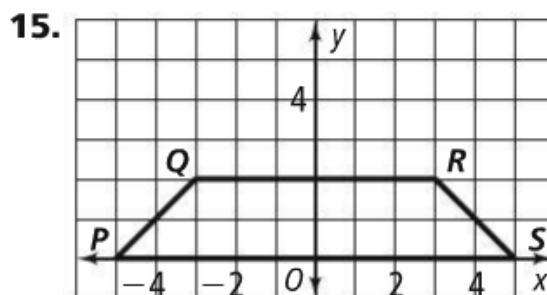
8. No; the slopes of consecutive sides are not negative reciprocals.
9. Use the midpoint formula to find the coordinates of the midpoints of \overline{DE} and \overline{EF} . Then use the distance formula to compare the lengths of the blue segments.



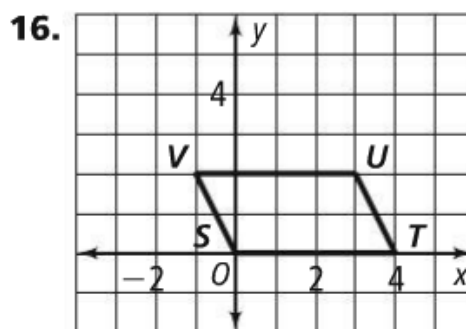
scalene; not rt. \triangle



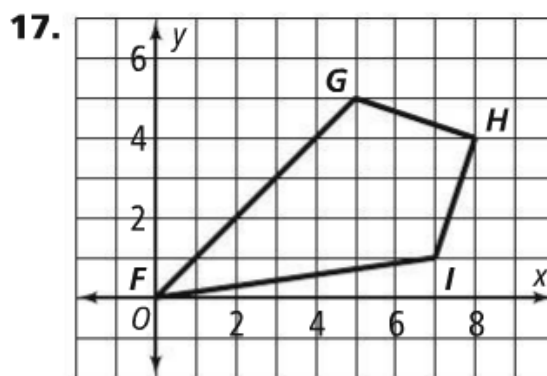
isosc.; rt. \triangle



isosc. trapezoid



parallelogram



kite

25. Yes; $PR = SW = 4$, $PQ = ST = \sqrt{10}$,
 $QR = TW = 3\sqrt{2}$.

26. Rectangle; opp. sides with = slopes makes it a \square , and consecutive sides with slopes that are negative reciprocals are \perp .

27. \square ; 24 units²