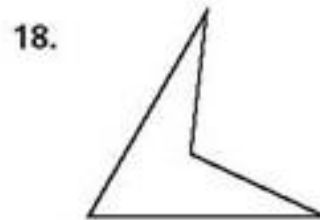
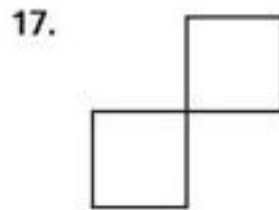
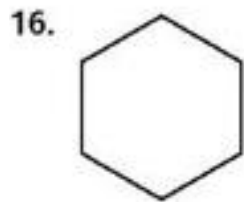
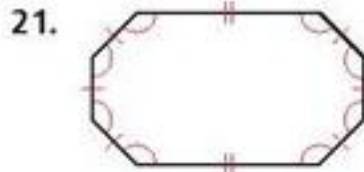
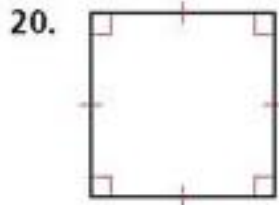


PRACTICE AND PROBLEM SOLVING

Tell whether each figure is a polygon. If it is a polygon, name it by the number of its sides.



Tell whether each polygon is regular or irregular. Tell whether it is concave or convex.



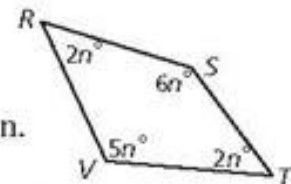
22. Find the measure of each interior angle of quadrilateral $RSTV$.

23. Find the measure of each interior angle of a regular 18-gon.

24. Find the sum of the interior angle measures of a convex heptagon.

25. Find the measure of each exterior angle of a regular nonagon.

26. A pentagon has exterior angle measures of $5a^\circ$, $4a^\circ$, $10a^\circ$, $3a^\circ$, and $8a^\circ$. Find the value of a .



Name the convex polygon whose interior angle measures have each given sum.

35. 540°

36. 900°

37. 1800°

38. 2520°

Multi-Step An exterior angle measure of a regular polygon is given. Find the number of its sides and the measure of each interior angle.

39. 120°

40. 72°

41. 36°

42. 24°