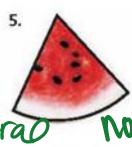
6.1 Homework Page 398-399 #2-13 ALL, 29, 35, 39

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



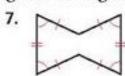






Tell whether each polygon is regular or irregular. Tell whether it is concave or convex.





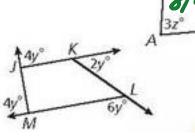


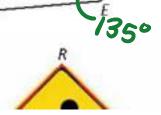
regular, convex irrunlar

irregular, convex



- 10. Find the measure of each interior angle of a regular dodecagon.
- Find the sum of the interior angle measures of a convex 20-gon.
- Find the value of y in polygon JKLM.
- Find the measure of each exterior angle of a regular pentagon.





9) 42+32+52+52+32=540

$$S_{I} = (20-2) \cdot 180$$

$$= 3.240^{\circ}$$

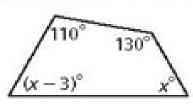
12)
$$4y+4y+2y+6y=360$$

 $16y=360$
 $(u=22.5)$



Algebra Find the value of x i

29.



$$X-3+X+130+110=360$$

 $X=61.5$

$$\eta = 4$$

 $S_{\tau} = 360$

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

35. 540°

36. 900°

37. 1800°

38. 2520°

$$540 = (n-2)180$$

 $3=n-2$
 $5=0$

pentagon

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°