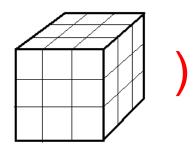
Created by Mr. Lischwe

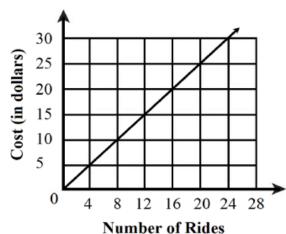
Warmup 2/(# of cubes in



Write an exponential function for the chart.

χ	f(x)
0	5
1	45
2	405
3	3645

Cost and Number of Rides



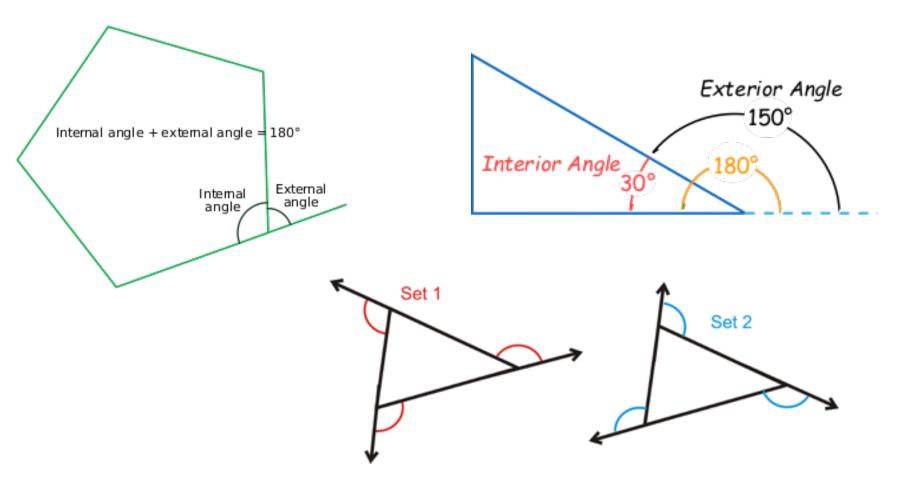
a. What is the slope?

b. What does it mean in this situation?

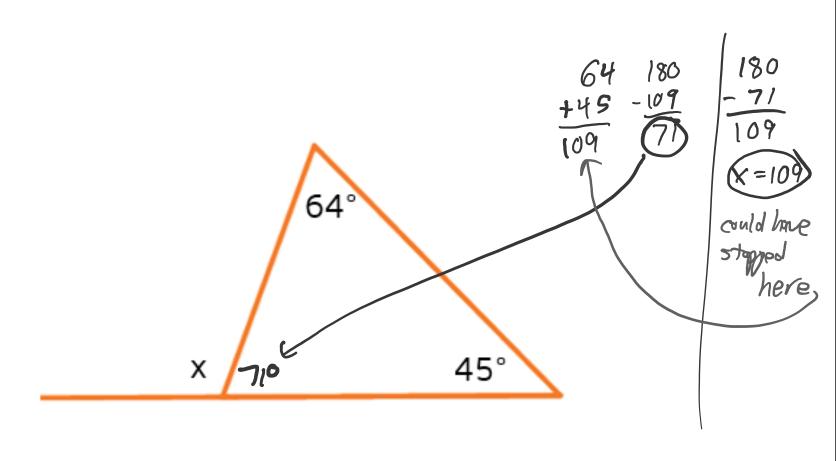
Go over homework

Exterior Angles

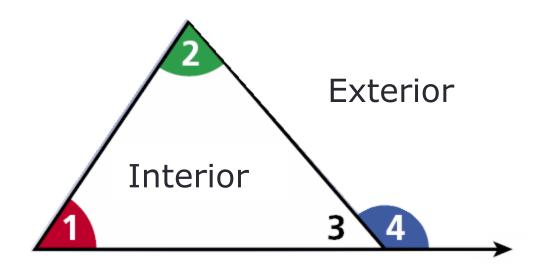
If you extend a side of a polygon OUTSIDE the shape, you get an <u>exterior angle</u>.



What is the measure of the exterior angle?

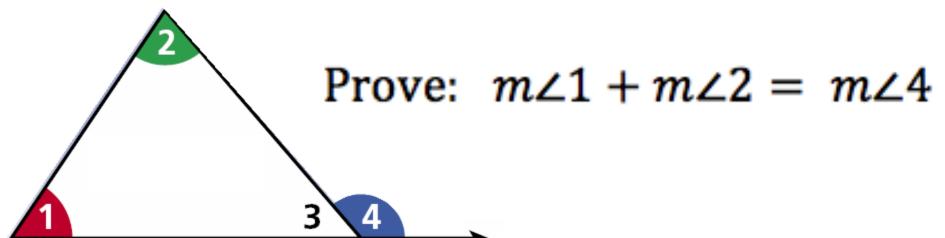


What is the relationship between angle 4 and angles 1 and 2?



mL1+mL2=mL4

Write a Paragraph Proof!



mc1+mc2+mc3=180° by the Triangle Sum Theorem.

mc3+mc4=180° by the definition of a straight angle.

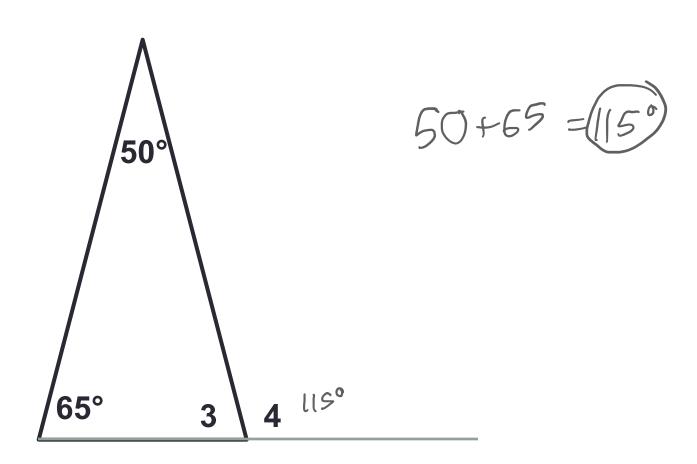
So by substitution, mc1+mc2+mc3=mc3+mc4. The

subtraction property of equality lets us subtract

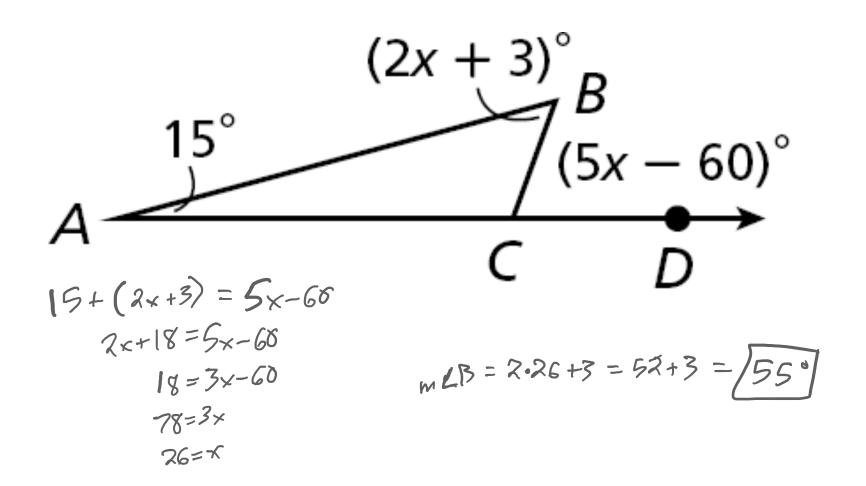
subtraction property of equality lets us subtract

mc3 from both sides, so mc1+mc2=mc4.

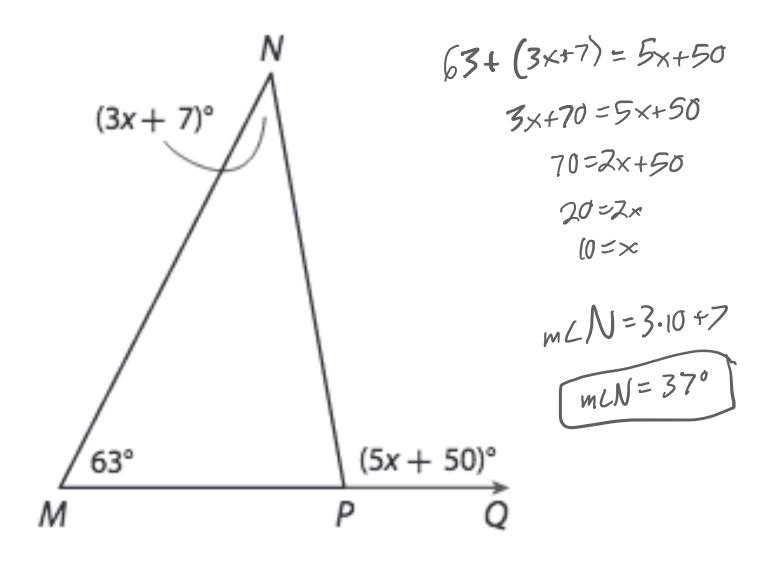
Find $m \angle 4$



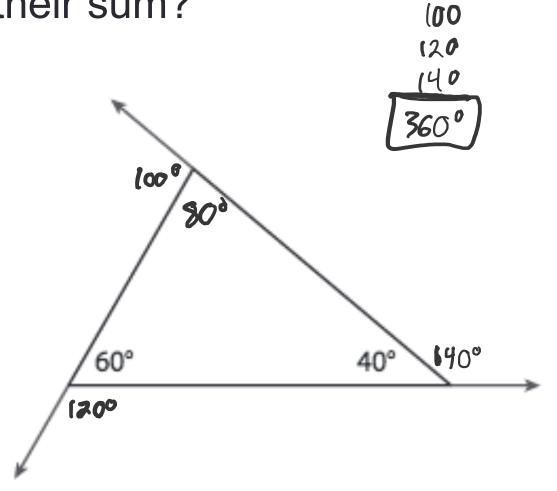
Find $m \angle B$



11. Determine $m \angle N$ in $\triangle MNP$.

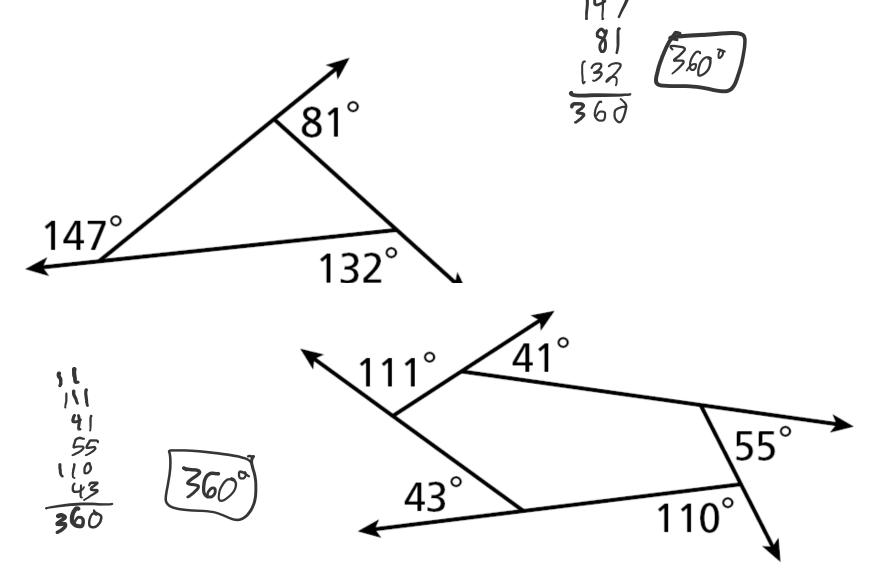


Find the measure of all exterior angles. What is their sum?



Find the measure of all exterior angles.

What is their sum?



http://www.mathsisfun.com/geometr y/exterior-angles-polygons.html

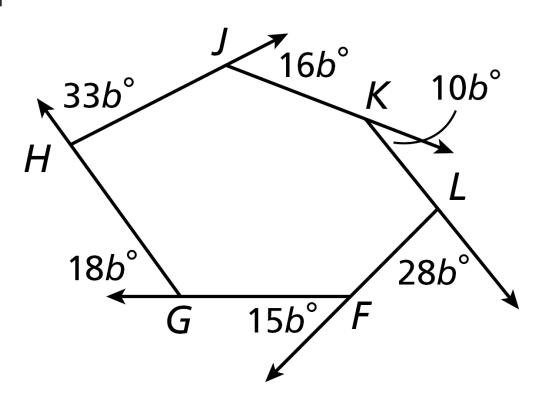
Polygon Exterior Angles Theorem

The sum of the exterior angles of any polygon is 360°.

Find the measure of each exterior angle of a regular 20-gon.

$$20b = 360^{\circ}$$

Find the value of *b* in polygon *FGHJKL*.



Homework

• p. 1091-1092 (10-15) + Angle Chasing Worksheet