Check It Out Vocabulary Help BigIdeasMath Com

Review Key Vocabulary

complementary angles, p. 186 supplementary angles, p. 186 congruent angles, p. 187 vertical angles, p. 187 isosceles triangle, p. 192 congruent sides, *p. 192* equilateral triangle, *p. 192* equiangular triangle, *p. 192* polygon, *p. 198* regular polygon, *p. 199* convex polygon, *p. 200* concave polygon, *p. 200* similar triangles, p. 208 indirect measurement, p. 209 perpendicular lines, p. 214 transversal, p. 214 interior angles, p. 215 exterior angles, p. 215

Review Examples and Exercises



Exercises

Find the value of *x*. Then classify the triangle in as many ways as possible.











Parallel Lines and Transversals (pp. 212–219)

Use the figure to find the measure of $\angle 6$.

 $\angle 2$ and the 55° angle are supplementary. So, the measure of $\angle 2$ is $180^\circ - 55^\circ = 125^\circ$.

 $\angle 2$ and $\angle 6$ are corresponding angles. They are congruent.

So, the measure of $\angle 6$ is 125°.



Exercises

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Use the figure to find the measure of the angle. Explain your reasoning.

13. ∠8	14. ∠5
15. ∠7	16. ∠2

