

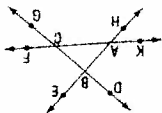
Outcome
the skills and concepts
er 3.

g the Outcomes
in the Chapter Check as
assessment, look for the

nds different angle
triangles by sides or
angles and applies three
congruent triangles.
rior angles of regular
as congruent polygons
sponding equal parts.
Pythagorean Theorem.

Chapter Check

1. Name 3 points, 3 lines, 3 angles, and 3 line segments in the diagram.

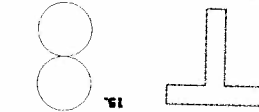


Draw the following angles:

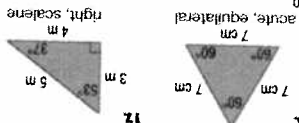
1. 43°
2. Name 2 acute angles, 2 right angles, and 2 obtuse angles in the diagram.
3. 156°
4. 222°



- Find the measures of the unknown angles:
1. 37° , 143°
 2. 44° , 46° , 7° , 83° , 10 , 66° , 24°
 3. Write the measure of the complementary angle.
 4. Write the measure of the supplementary angle.
 5. 11 , 57° , 123° , 101° , 79° , 12 , 165° , 15°

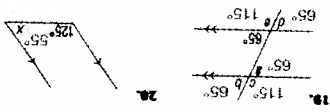


Classify each triangle by sides and by angles.

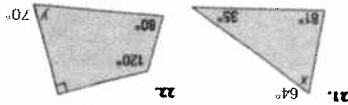


10. What is the measure of each interior angle of a regular dodecagon? 150°

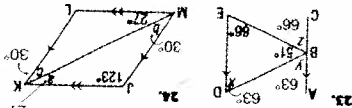
Find the missing measures.



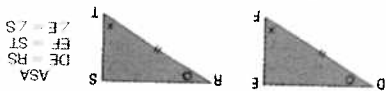
Find the measures of the unknown angles:



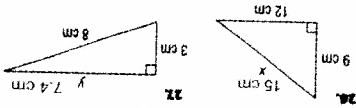
Find the measures of the unknown angles:



21. State why the triangles are congruent. List the other equal parts.



Calculate the length of the unknown side. Round to the nearest tenth, if necessary.



22. A 10-m ladder is leaning against the side of a house. The foot of the ladder is 4 m from the base of the house. How far up the wall is the top of the ladder? 9.2 m

Additional Text Answers

1. D, E, K; DG, EH, FK; \angle KAH, \angle DBE, \angle BAC; AB, CG, BE
5. \angle WOS, \angle TSU, \angle OWS, \angle OWX; \angle RST, \angle POW

Related Resources

1. Blackline Masters: Test One, Test Two, Extension Chapter 3—Geometry
2. Teaching Edition Master: Alternate Chapter Check Chapter 3—Geometry

Chapter 3—Geometry, page 501

Pages	Sections	Study Guide
80-81	3.1	
82-83	3.2	
86-87	3.4	
90-91	3.6	
94-95	3.8	
98-99	3.9	
88-89	3.5	
100-101	3.10	
122-123	3.15	
108-111	3.13, 3.14	