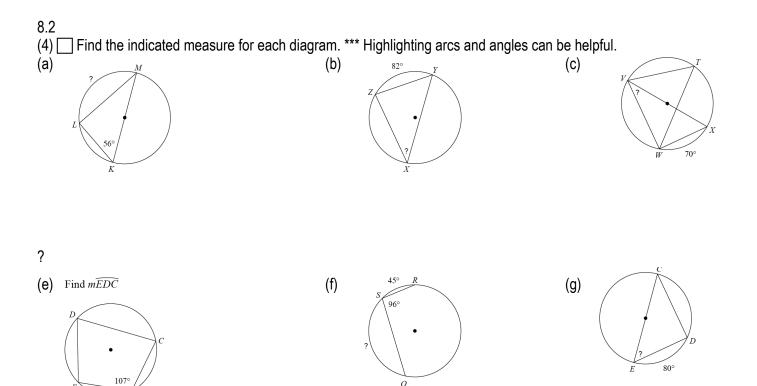
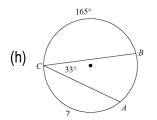
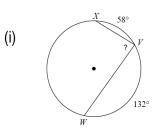
8.2 Name (print first and last) 8.2 Circles: Angle and arc measures with inscribed angles SLO: I can solve problems involving inscribed angles and intercepted arcs.			_ Date: <u>3/26 due 3/27</u> metry Regents 2013-2014 Ms. Lomac	
(1) Copy the term and description below of Term: Inscribed Angles (∠BDC) Description: An angle formed by 3 po		is the verte	ex of the angle.	
 (2) Each pair needs: (If you don't have access to these materials, search online to find the relationship between an inscribed angle and the arc it intercepts.) (1) a set of 3 diagrams, diagram X, Y, and Z, (2) a set of angle cutouts which includes 4 pink pieces, 1 purple piece, 4 dull green pieces, 4 tan pieces, 4 bright green pieces, 4 yellow arcs, and 1 blue and 1 orange triangle, and Use these materials to complete the observations and proof page on the back of this packet. (3) Complete a sketch for each example. Be sure to label the arc measure, the central angle measure, and the inscribed 				
angle measure.	b) A central angle meas		☐ c) An inscribed angle	
measures 50°. Therefore, the	88°. Therefore, the intercept	oted	measures 88°. Therefore, the	
central angle measures	arc measures and t	he	intercepted arc measures	
and the inscribed angle measures	inscribed angle measures _		and the central angle measures	
•	•		•	

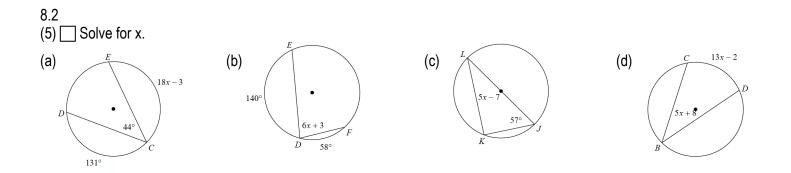
Write a sentence that summarizes the relationship between the measure of an **inscribed angle** a **central angle** and the **arc** that both angles intercept. Include a labeled diagram and an equation showing the relationship.

• Equa	ition:
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(6) \square Find the measure of the arc or angle indicated.

