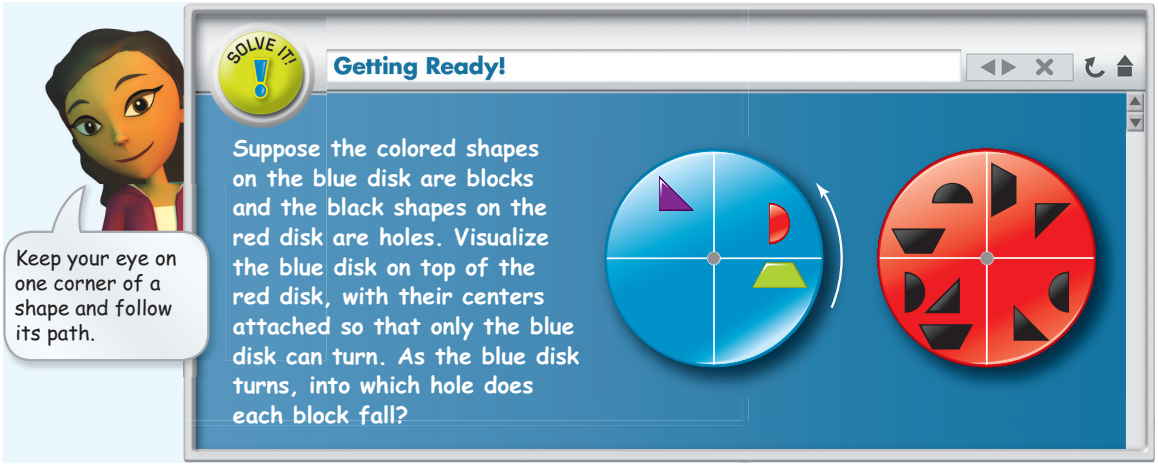
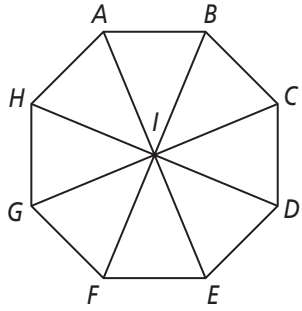
9-3 Solve It!



9-3 Lesson Quiz

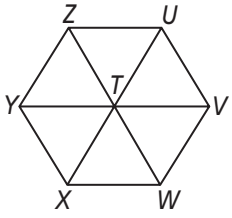
1. Point I is the center of regular octagon $ABCDEFGH$. What is the image of the given point or segment for the given rotation?



a. 225° rotation of B about I

b. 135° rotation of $\overline{CD}$ about I

2. Do you UNDERSTAND? The figure below is a regular hexagon. What is the measure, in degrees, of the angle of rotation about T that maps Y to U?



Answers

Solve It!

Number the quadrants of the red disk in the same way as you number the quadrants of the coordinate plane. The △ falls into the △ hole of Quadrant I. The semicircle falls into the semicircle hole of Quadrant II. The trapezoid falls into the trapezoid hole of Quadrant II.

Lesson Quiz

1. a. point E

b. $\overline{AH}$

2. 240°

Copyright © by Pearson Education, Inc., or its affiliates. All Rights Reserved.