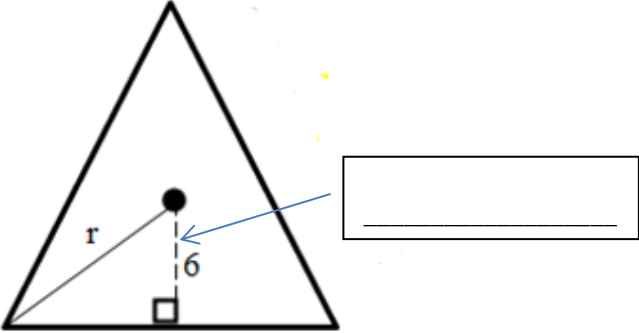
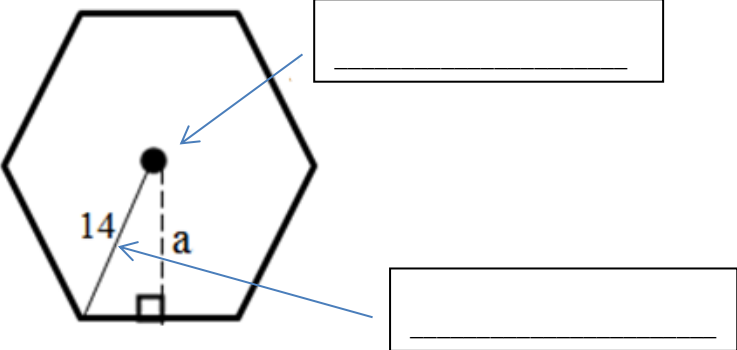
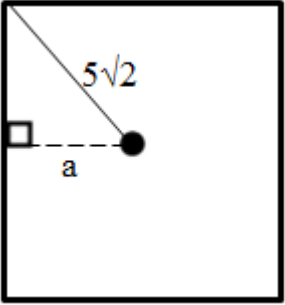
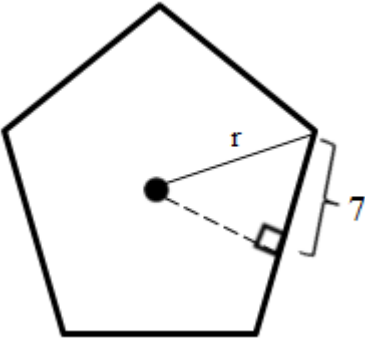
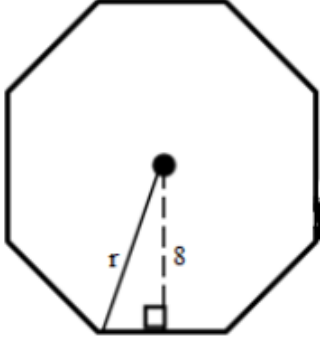
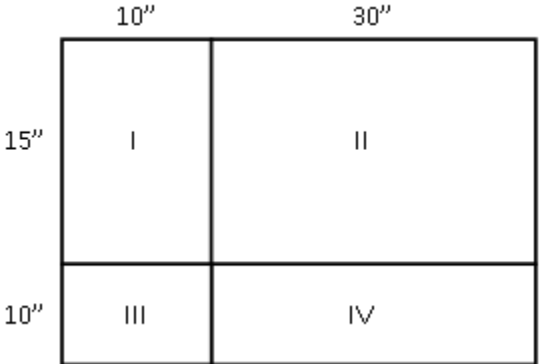
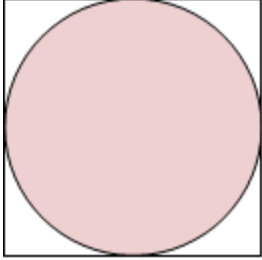


NAME \_\_\_\_\_ DATE \_\_\_\_\_ PER. \_\_\_\_\_

**FINDING & NAMING PARTS OF REGULAR POLYGONS**

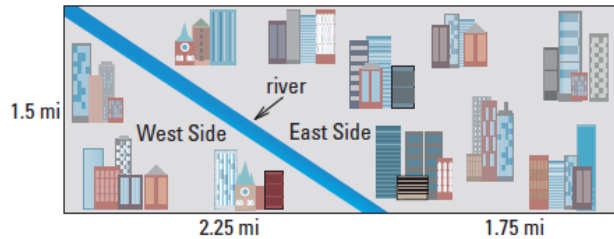
Find the indicated value for each of the regular polygons below and label the parts in the blanks provided on the picture.

<p>1. r = _____</p>	
<p>2. a = _____</p>	
<p>3. a = _____ Perimeter = _____</p>	
<p>4. P = _____ r = _____</p>	

<p>5.</p> <p>r = _____</p>	
<p>6. _____</p>	<p>If a dart randomly hits the board, what is the probability that it will hit in region II?</p> <p>A. <math>\frac{9}{20}</math></p> <p>B. <math>\frac{6}{13}</math></p> <p>C. <math>\frac{1}{4}</math></p> <p>D. <math>\frac{1}{3}</math></p> 
<p>7. _____</p>	<p>If a circle with a radius of 10 cm is placed inside a square with a length of 20 cm, what is the probability that a dart thrown will land inside the circle?</p> 

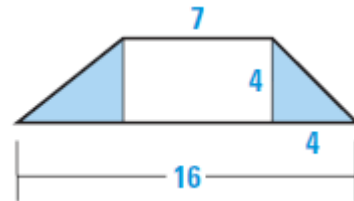
8. \_\_\_\_\_

You work for a temporary employment agency. You live on the west side of town and prefer to work there. The work assignments are spread evenly throughout the rectangular region shown. Find the probability that an assignment chosen at random for you is on the west side of town.



9. \_\_\_\_\_

Find the probability that a point chosen at random in the trapezoid shown lies in either of the shaded regions.



10. \_\_\_\_\_

You are playing a shuffle board game, where a puck needs to land in the shaded area in order to score points. The length of the unshaded rectangle is 10 ft and the width is 5 ft. The length of the shaded area is 4.2 ft and the width is 3.5 ft. What is the probability that the puck will land in the unshaded area?

