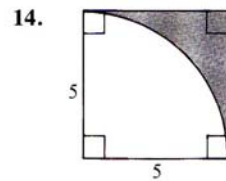
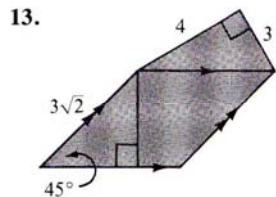


CHAPTER 11 REVIEW WORKSHEET

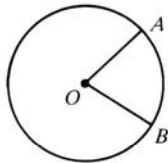
Find the area of each figure described.

1. A square with perimeter 28 cm
2. A rectangle with width 7 and diagonal 25
3. A parallelogram with sides 16 and 20 that form a 30° angle
4. A trapezoid with bases 6 and 10 and height 4
5. A rhombus with diagonals 8 and 5
6. A right triangle with legs 25 cm and 6 cm
7. A circle with diameter 18
8. A triangle with sides 5, 5, and 8
9. A circle with circumference 22π cm
10. A regular hexagon with radius 12
11. Sector AOB of $\odot O$ with radius 8 and $m\widehat{AB} = 40$
12. An equilateral triangle with radius $6\sqrt{3}$

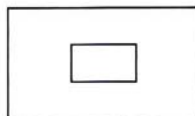
Find the area of each shaded region.



15. In $\odot O$, $m\widehat{AB} = 72$, and the area of sector AOB is 20π . Find the length of \widehat{AB} .



16. Two circles have radii 8 and 11. What is the ratio of the areas?
17. Two corresponding sides of two similar polygons have lengths 3 and 7. The perimeter of the larger polygon is 91 cm. What is the perimeter of the smaller polygon?
18. The dimensions of the small rectangle are one-third those of the large rectangle. A point is picked at random within the large rectangle. What is the probability that it is within the small rectangle?



1)	2)	3)
4)	5)	6)
7)	8)	9)
10)	11)	12)
13)	14)	15)
16)	17)	18)