Name _____ Class _____ Date _____

Practice 10-3

Area: Circles

Find the area of each circle. Give an exact area and an approximate area to the nearest tenth.

1. $r = 7$ m

$A =$ _____

$A \approx$ _____

2. $d = 18$ cm

$A =$ _____

$A \approx$ _____

3. $d = 42$ m

$A =$ _____

$A \approx$ _____

4. $r = 35$ km

$A =$ _____

$A \approx$ _____

5. $d = 22$ cm

$A =$ _____

$A \approx$ _____

6. $r = 25$ ft

$A =$ _____

$A \approx$ _____

7. $r = 3\frac{1}{2}$ mi

$A =$ _____

$A \approx$ _____

8. $d = 5$ in.

$A =$ _____

$A \approx$ _____

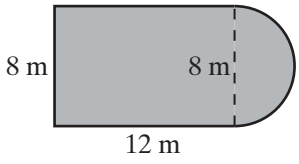
9. $d = 9.8$ mm

$A =$ _____

$A \approx$ _____

Find the area of each shaded region to the nearest tenth.

10.



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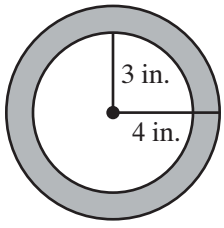
11.



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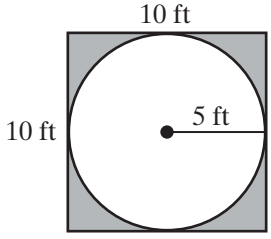
12.



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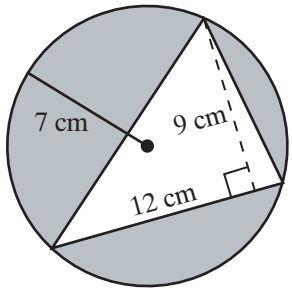
13.



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14. A goat is tethered to a stake in the ground with a 5-m rope. The goat can graze to the full length of the rope a full 360° around the stake. How much area does the goat have in which to graze?

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