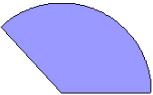# Similar figures

Similar figure

Similar figures

Similar figures

Both sectors have the same central angle measure of 133 degrees. The scale factor of sector 1 to sector 2 is $\frac{45}{26}$. If the area of sector 1 is 2349.11 square meters, what is the area of sector 2 to the nearest square meter? Use 3.14 as an approximation for pi.

Sector 1

Sector 2

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ExamView

Both sectors have the same central angle measure of 57 degrees. The scale factor of sector 1 to sector 2 is $\frac{12}{7}$. If the area of sector 1 is 644.33 square feet, what is the radius of the circle with sector 2 to the nearest foot? Use 3.14 as an approximation for pi.
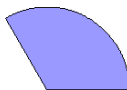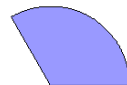
Sector 1

Sector 2

powered by
ExamView

1

Both sectors have the same central angle measure of 120 degrees. The scale factor of sector 1 to sector 2 is $\frac{27}{26}$. If the area of sector 1 is 763.02 square meters, what is the diameter of the circle with sector 2 to the nearest meter? Use 3.14 as an approximation for pi.
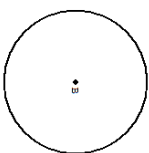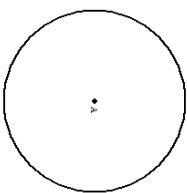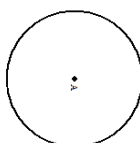
Sector 1   Sector 2

The scale factor of circle A to circle B is $\frac{5}{4}$. If the area of circle B is 200.96 square inches, what is the radius of circle A to the nearest inch? Use 3.14 as an approximation for pi.

The scale factor of circle A to circle B is $\frac{11}{6}$. If the area of circle B is 452.16 square yards, what is the area of circle A to the nearest square yard? Use 3.14 as an approximation for pi.

The scale factor of circle A to circle B is $\frac{13}{20}$. If the circumference of circle B is 125.6 yards, what is the circumference of circle A to the nearest yard? Use 3.14 as an approximation for pi.

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