

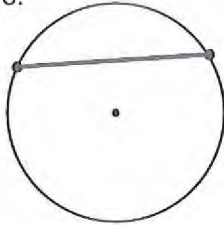
11.6-Beginning of Unit 3 Review Game



Name the part identified in blue in the picture.

Word Bank:

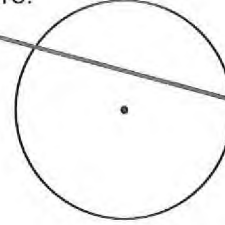
- secant
- sector
- point of tangency
- radius
- minor arc
- diameter
- inscribed angle
- chord
- tangent
- central angle
- major arc
- intercepted arc



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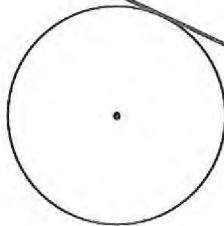
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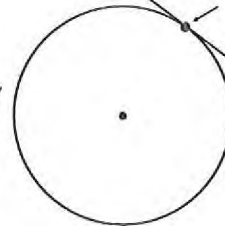
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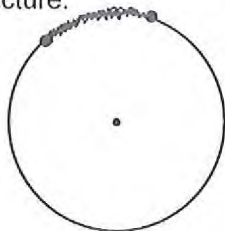


11.6-Beginning of Unit 3 Review Game



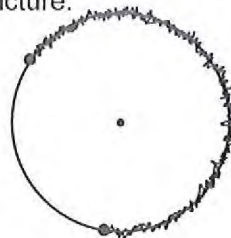
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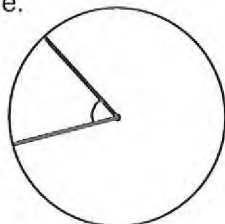
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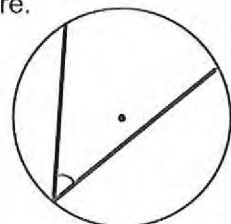
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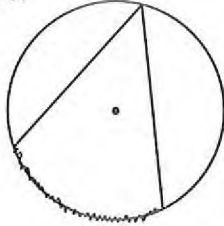


11.6-Beginning of Unit 3 Review Game



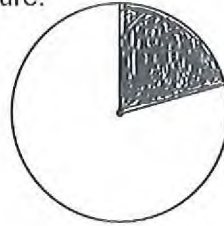
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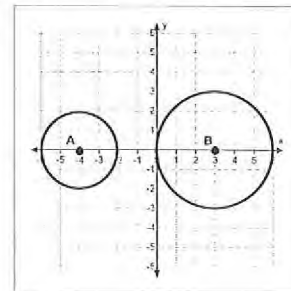
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"All circles are similar."
 Explain why this statement is true.



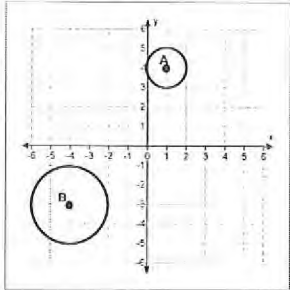
Prove that Circle A is similar to Circle B.



11.6-Beginning of Unit 3 Review Game



Prove that Circle A is similar to Circle B.



Find the area of a circle with a diameter of 15 meters. Round to the nearest tenth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$



Find the area of a circle with a radius of 19 inches. Round to the nearest tenth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$



Find the circumference of a circle with a radius of 1.5 inches. Round to the nearest hundredth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$



11.6-Beginning of Unit 3 Review Game



Find the circumference of a circle with a diameter of 8.7 feet. Round to the nearest hundredth.

$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$



Find the circumference of a circle with an area of 132.73 square inches. Round to the nearest tenth.

$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$



Find the area of a circle with an circumference of 97.39 inches. Round to the nearest tenth.

$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$

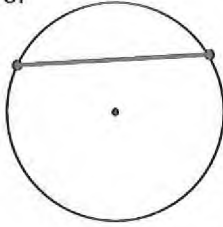


11.6-Beginning of Unit 3 Review Game



Name the part identified in blue in the picture.

Word Bank:
secant
sector
point of tangency
radius
minor arc
diameter
inscribed angle
chord
tangent
central angle
major arc
intercepted arc

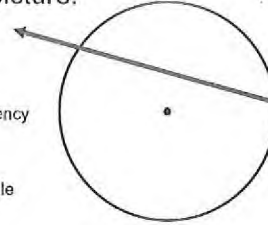


chord



Name the part identified in blue in the picture.

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secant
sector
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radius
minor arc
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chord
tangent
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major arc
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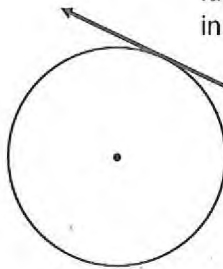


secant



Name the part identified in blue in the picture.

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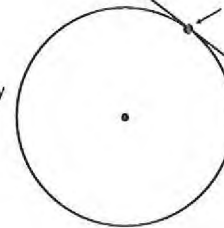


tangent



Name the part identified in blue in the picture.

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secant
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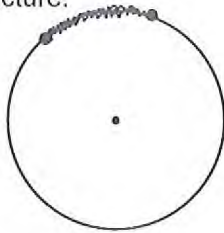
point of tangency

11.6-Beginning of Unit 3 Review Game



Name the part identified in blue in the picture.

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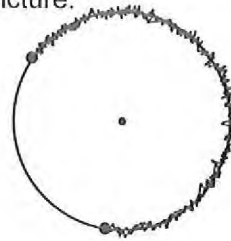


minor arc



Name the part identified in blue in the picture.

Word Bank:
secant
sector
point of tangency
radius
minor arc
diameter
inscribed angle
chord
tangent
central angle
major arc
intercepted arc

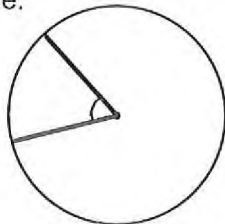


major arc



Name the part identified in blue in the picture.

Word Bank:
secant
sector
point of tangency
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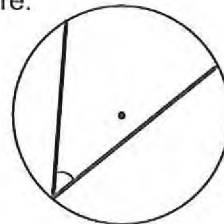


central angle



Name the part identified in blue in the picture.

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secant
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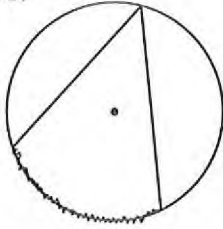
inscribed angle

11.6-Beginning of Unit 3 Review Game



Name the part identified in blue in the picture.

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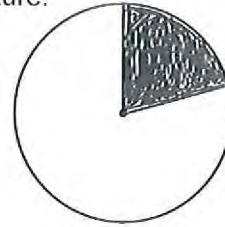


intercepted arc



Name the part identified in blue in the picture.

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 secant
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sector

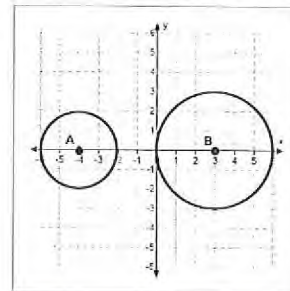


"All circles are similar."
 Explain why this statement is true.

All circles are the same shape. They only change in size.



Prove that Circle A is similar to Circle B.

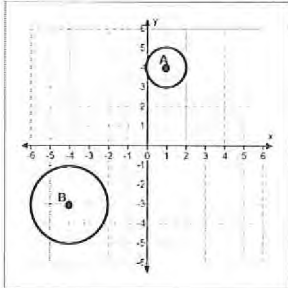


Circle A was dilated by a factor of $\frac{3}{2}$ and translated right 7 units to create Circle B. (There is a sequence of similarity transformations that maps Circle A onto Circle B.)

11.6-Beginning of Unit 3 Review Game



Prove that Circle A is similar to Circle B.



Circle A was dilated by a factor of 2, translated down 7 + left 5 units to create circle B. (There is a sequence of similarity transformations that maps circle A onto circle B.)



Find the area of a circle with a diameter of 15 meters. Round to the nearest tenth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

$$A = \pi \cdot 7.5^2$$

$$A = 176.7 \text{ m}^2$$

$$d = 15$$

$$r = 7.5$$



Find the area of a circle with a radius of 19 inches. Round to the nearest tenth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

$$A = \pi \cdot 19^2$$

$$A = 1134.1 \text{ in}^2$$



Find the circumference of a circle with a radius of 1.5 inches. Round to the nearest hundredth.

$$A = \pi r^2$$

$$C = 2\pi r$$

$$C = \pi d$$

$$C = 2\pi r$$

$$C = 2 \cdot \pi \cdot 1.5$$

$$C = 9.42 \text{ in}$$



11.6-Beginning of Unit 3 Review Game



$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$

Find the circumference of a circle with a diameter of 8.7 feet. Round to the nearest hundredth.

$$C = \pi d$$

$$C = \pi \cdot 8.7$$

$$C = 27.33 \text{ ft}$$



$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$

Find the circumference of a circle with an area of 132.73 square inches. Round to the nearest tenth.

$$A = \pi r^2$$

$$132.73 = \pi r^2$$

$$42.2 = r^2$$

$$6.5 = r$$

$$C = 2\pi r$$

$$C = 2 \cdot \pi \cdot 6.5$$

$$C = 40.8 \text{ in}$$



$$A = \pi r^2$$
$$C = 2\pi r$$
$$C = \pi d$$

Find the area of a circle with an circumference of 97.39 inches. Round to the nearest tenth.

$$C = 2\pi r$$

$$97.39 = 2\pi r$$

$$15.5 = r$$

$$A = \pi r^2$$

$$A = \pi \cdot 15.5^2$$

$$A = 754.8 \text{ in}^2$$

