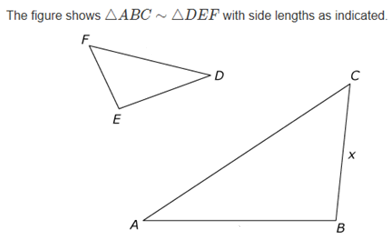
Final Exam Study Guide – Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDY YOUR STUDY GUIDE!!



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10

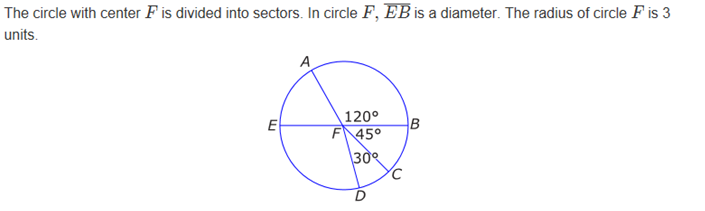
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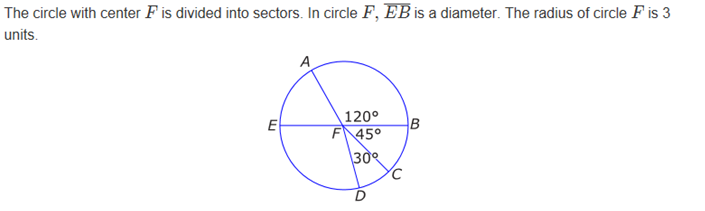
21

14

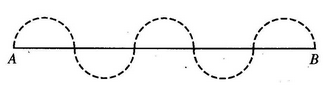
1.

Find the value of

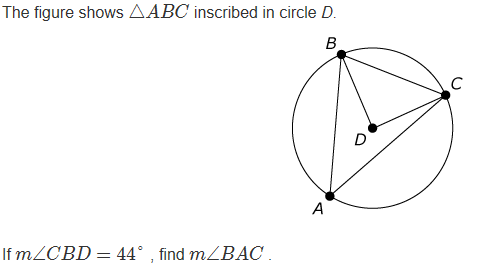
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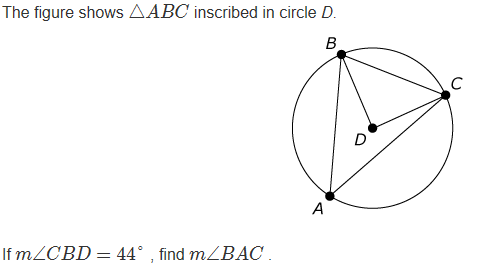
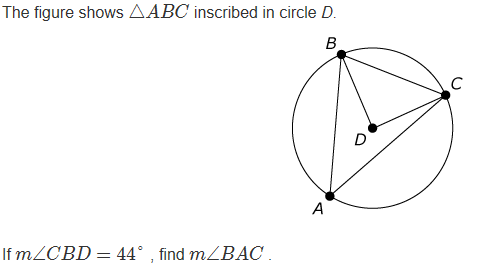


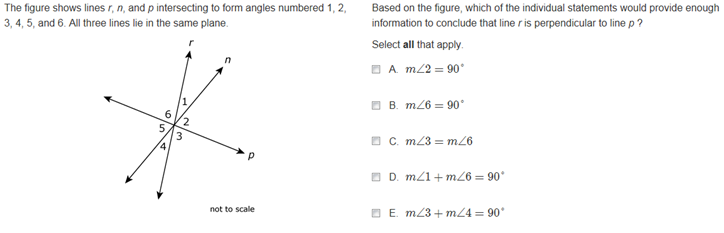
What is the arc length of ?

3. 

In the figure above, the diameters of the 5 dotted semicircles are equal and lie on the line segment *AB*. If the length of the line segment *AB* is 20, what is the length of the dotted curve from *A* to *B* ?

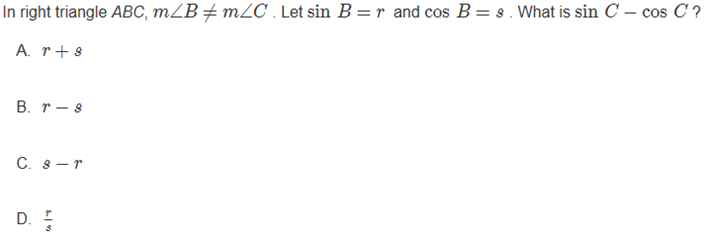
4.

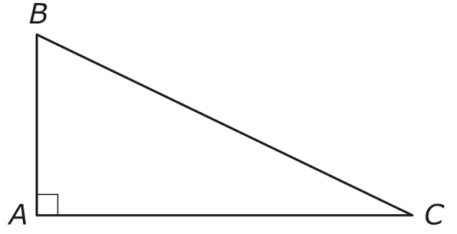


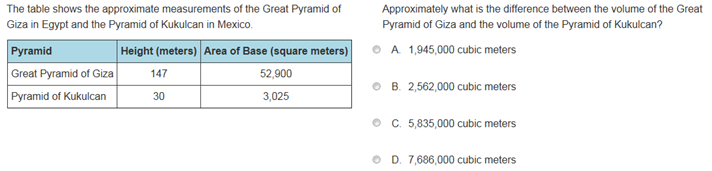
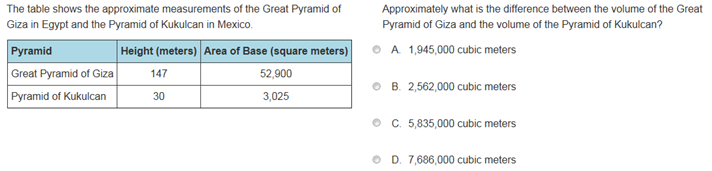
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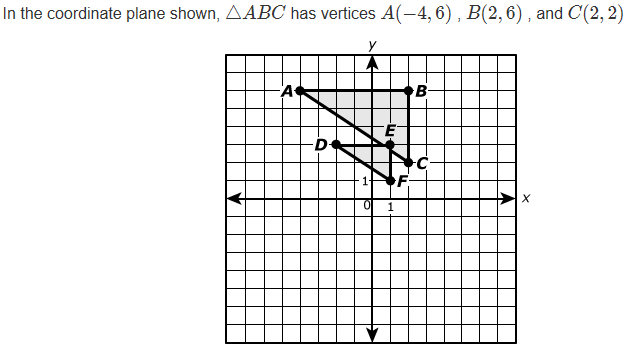
Based on the figure, which of the individual statements would provide enough information to conclude that line *r* is perpendicular to line *p* ?

Select **all** that apply.

6.

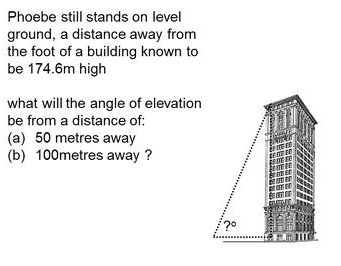


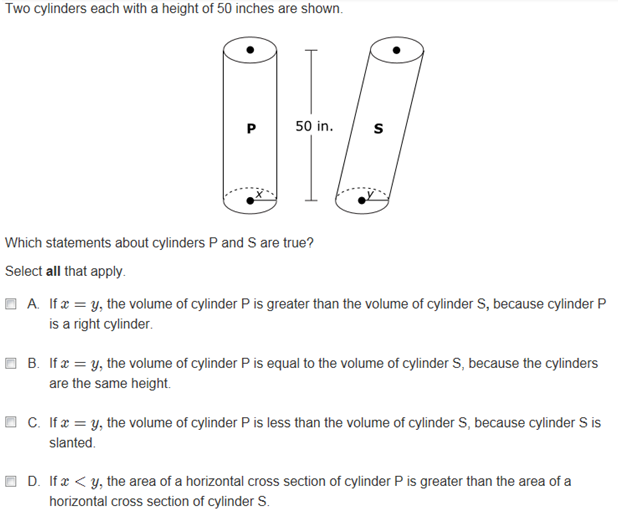
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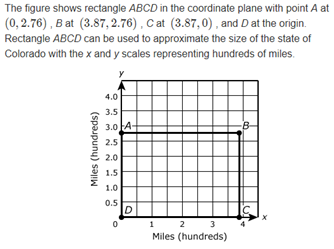
8.

What is the scale factor that will carry onto ?

9. Phoebe stands on level ground, 50m away from the foot of a building known to be 174.6m high. What will the angle of elevation be to the top of the building?

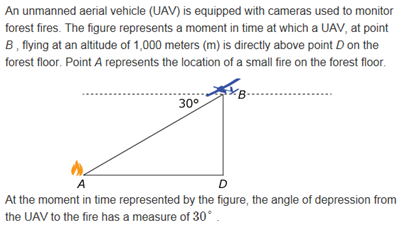


10.

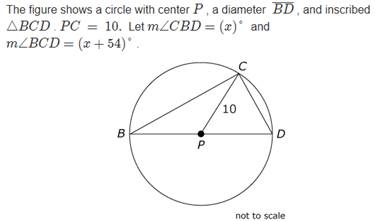
11.

12. The equation describes a circle.

Determine the center of the circle.

13.

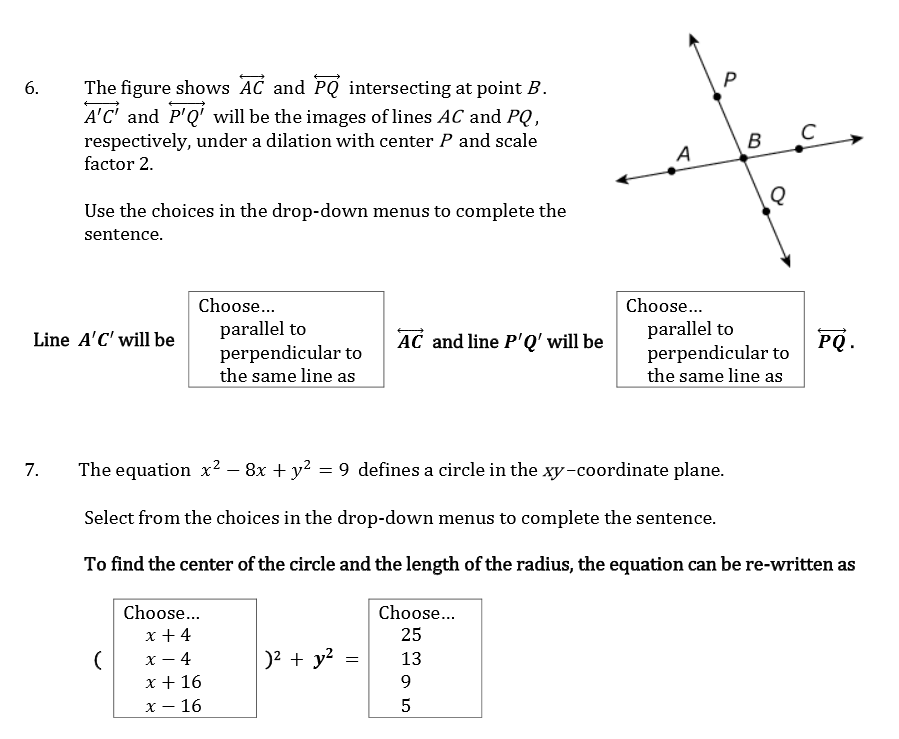


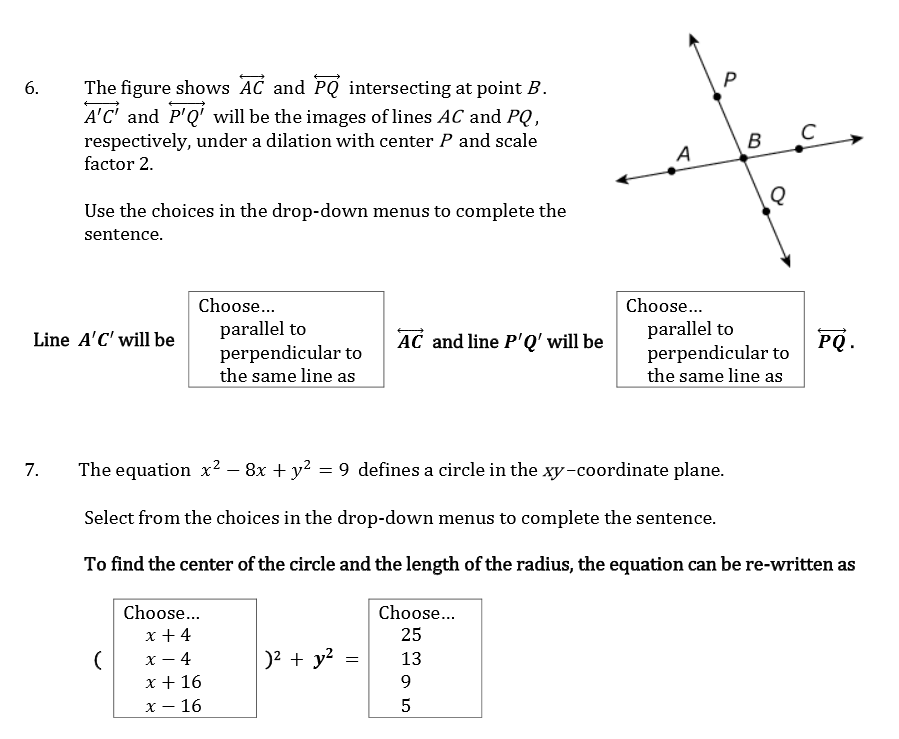
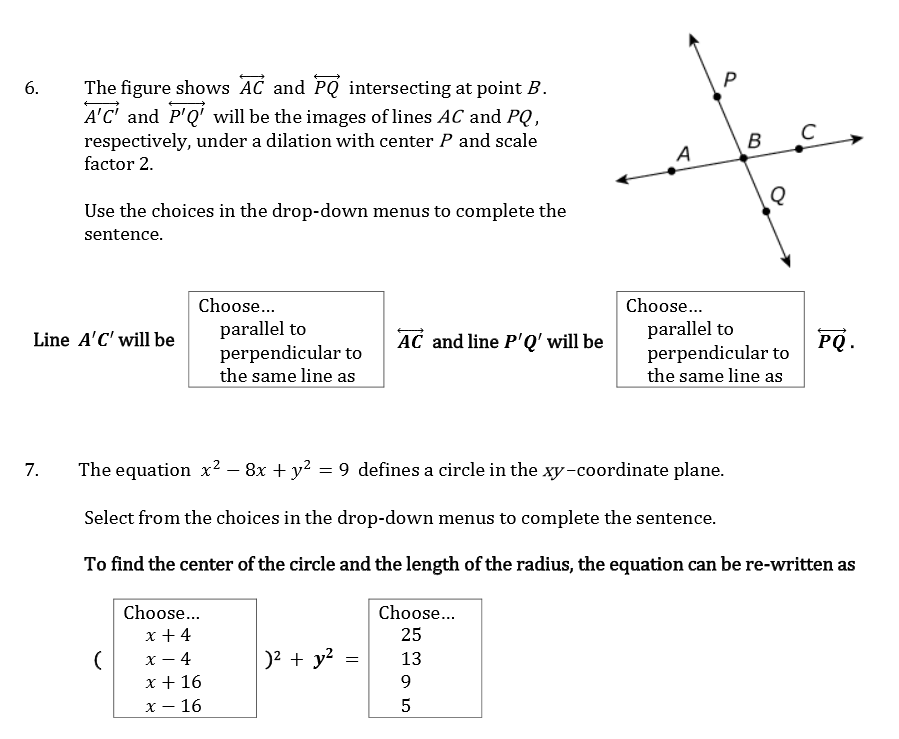
14.

Find the value of

15. The equation defines a circle in the coordinate plane.

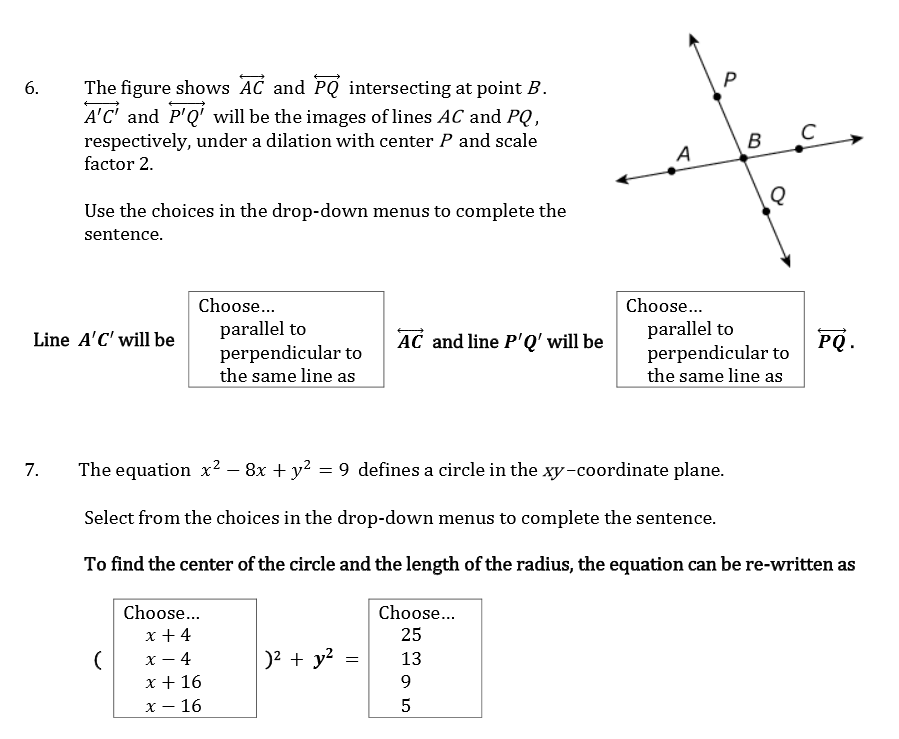
**Circle the correct answer for both boxes:**

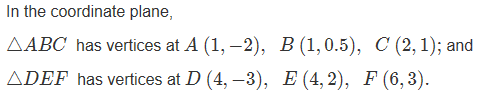




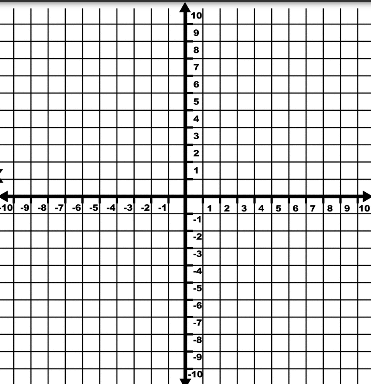
16.

**Circle the answers in the boxes to complete the sentence:**

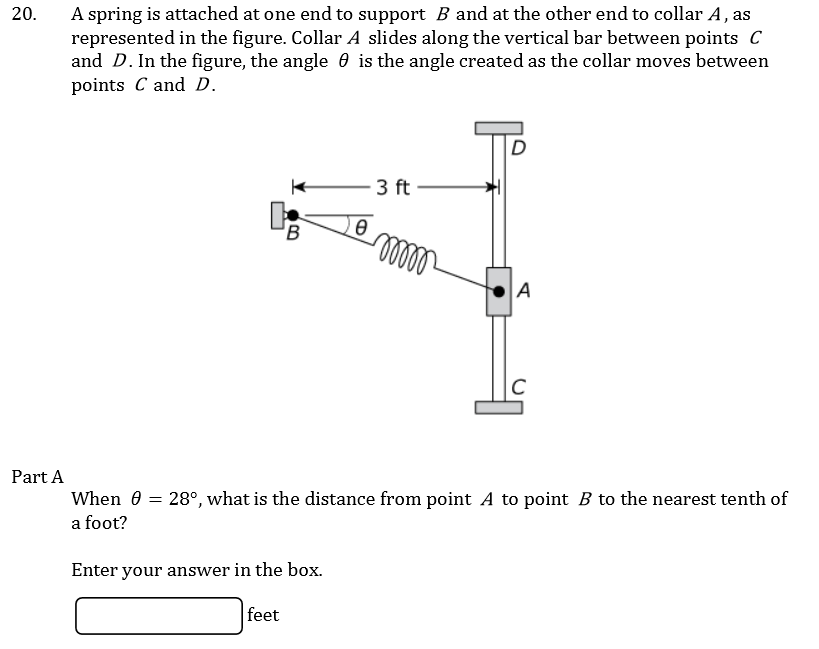


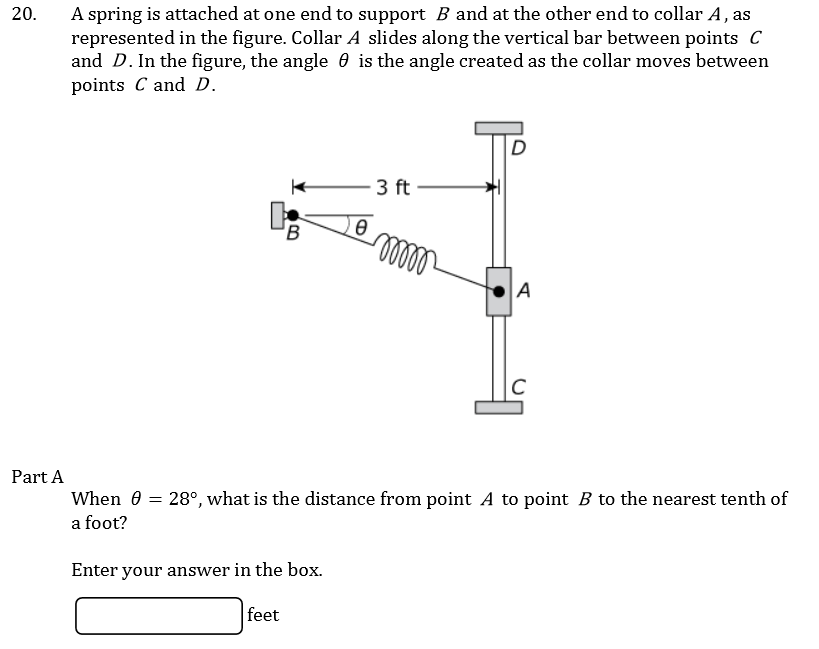
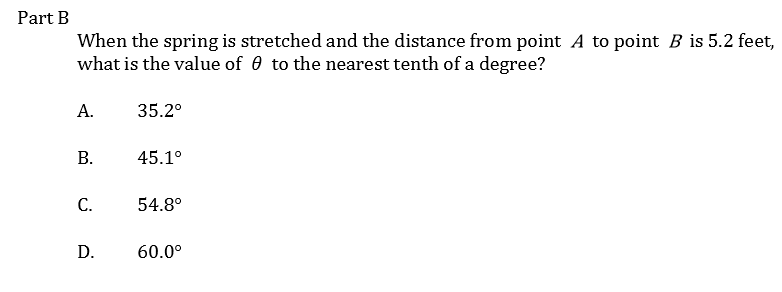


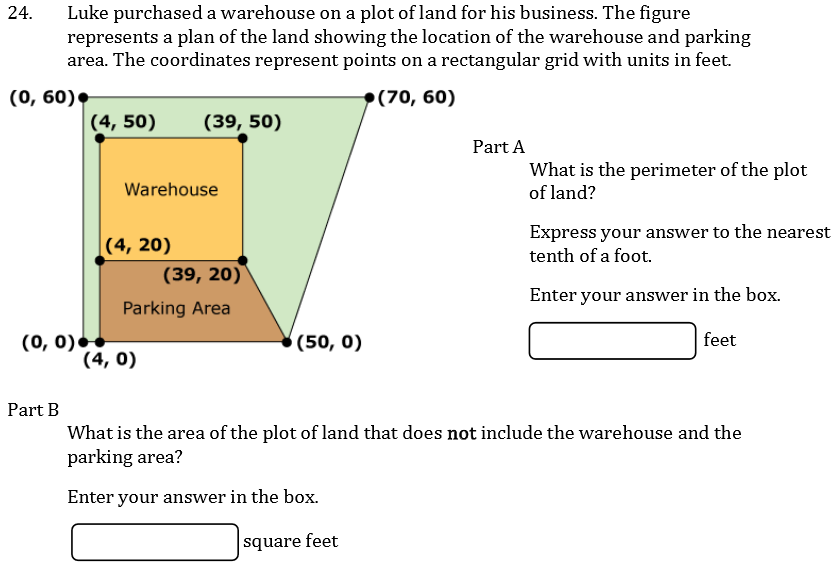
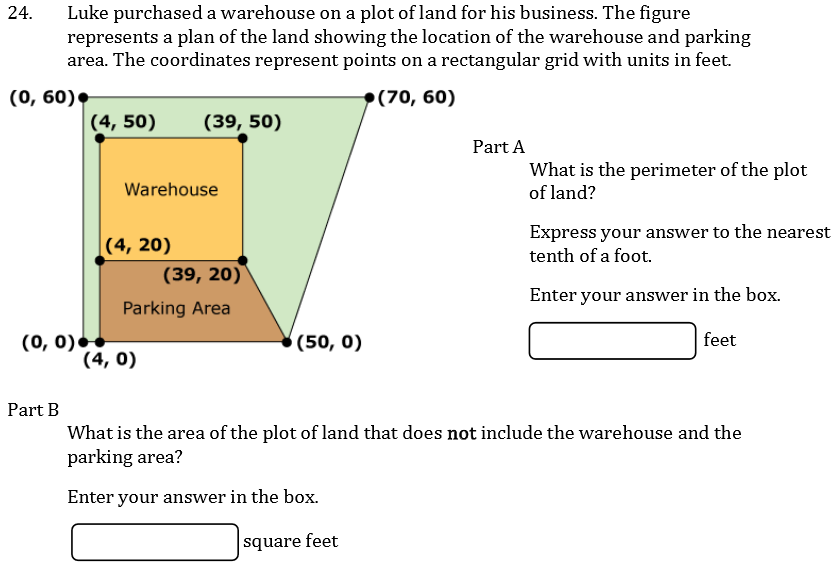
17.

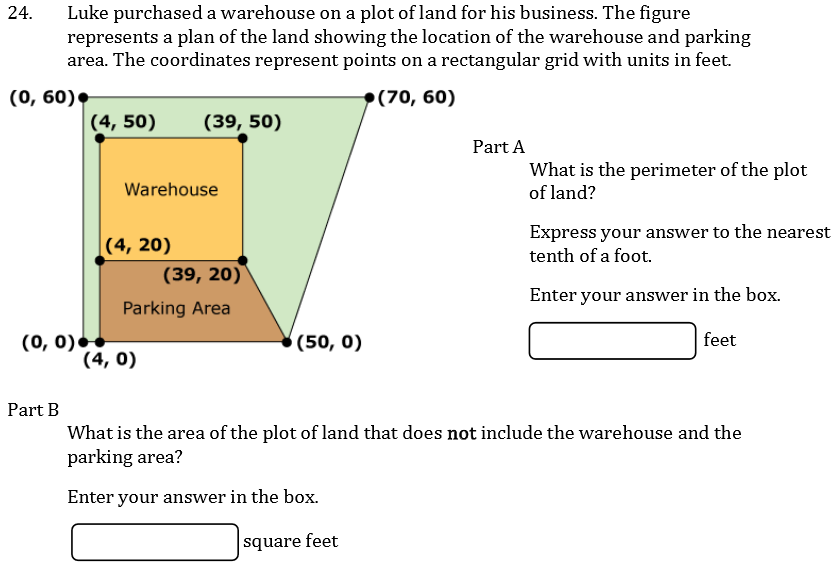


. What is the scale factor for this similarity if is being mapped onto ?

18.



19.



20. Find the midpoint of the segment containing the end points and .