

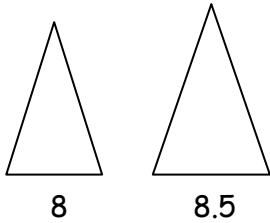
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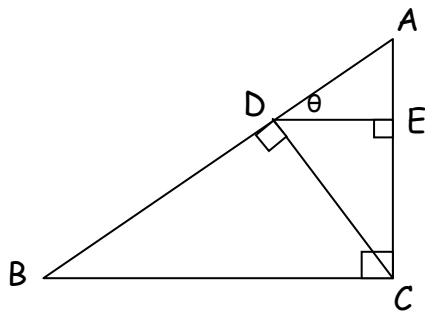
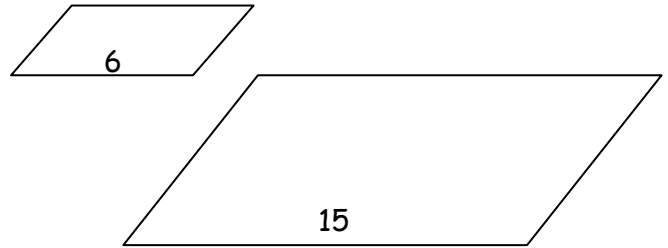
Similarity: Review

1-2. Identify the scale factor of the following objects. Describe how the scale factor affects the objects' perimeter and area.

1.



2.



3-4. True or False. Defend your response.

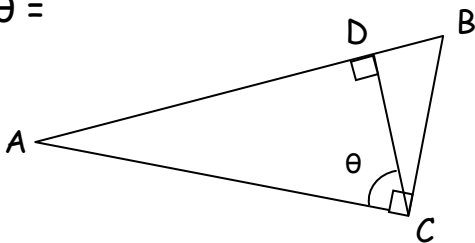
3. $\triangle ACB \sim \triangle DEA$

4. $\triangle ADE \sim \triangle DCE$

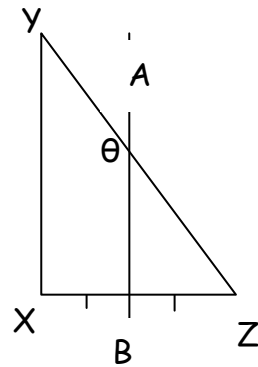
5-6. Write similarity statements for the figures below

Calculate $m\angle\theta$ if $m\angle A = 28$.

5. $m\angle\theta =$



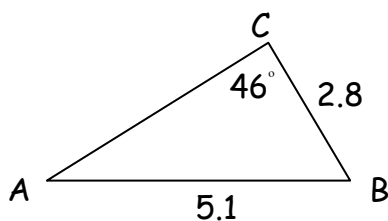
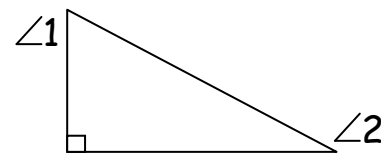
6. $m\angle\theta =$



7-8. Identify which is $\angle A$

7. $\sin^5/13$

8. $\cos^4/5$



9-10. Use the triangle to the left.

9. Identify $m\angle A$.

10. Identify the area of $\triangle ABC$

Name: _____

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Answer Key

Similarity: Review

1. $SF = 8.5/8$; sides are multiplied by $8.5/8$; area is dilated by $72.25/64$
2. $SF = 5/3$; sides are multiplied by $5/3$; area is dilated by $25/9$
3. False. The order of the angles do not correspond
4. True
5. $ABC \sim CBD \sim ACD$; $m\angle\theta = 62^\circ$
6. $ABC \sim YXZ$; $m\angle\theta = 152^\circ$
7. $\angle 2$
8. $\angle 2$
9. 23.3°
10. 6.7