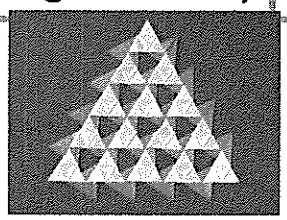
Name: Similarity & Right Triangle Trigonometry | 6.8

Ready, Set, Go!



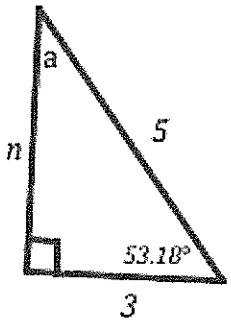
http://www.flickr.com/photos/melisande-origami/4656474250

Ready

Topic: Properties of Right Triangles

For each right triangle below find the missing side *n* (Pythagorean Theorem could be helpful) and the missing angle, a (Angle Sum Theorem for Triangles could be useful).

1.



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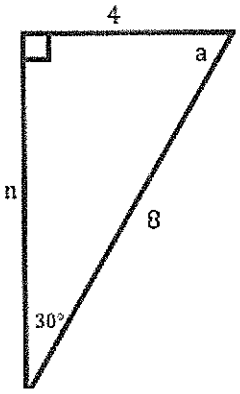

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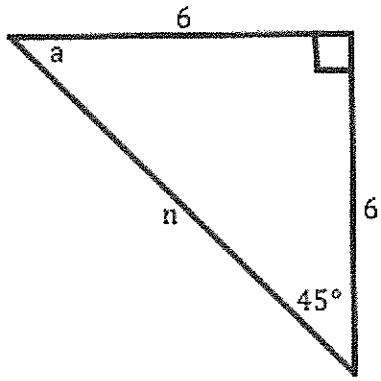

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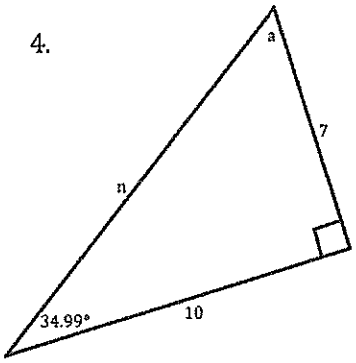

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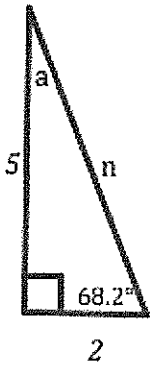

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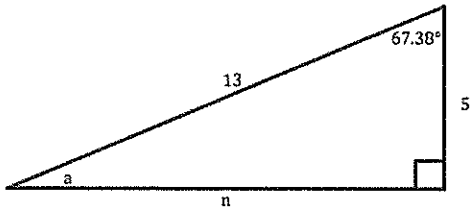
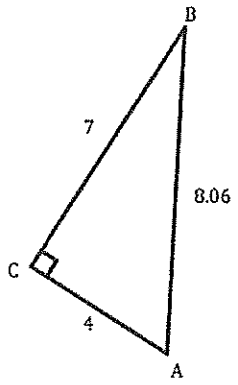


Set

Topic: Creating Trigonometric Ratios for Right Triangles

For each right triangle and the identified angle of reference create the desired trigonometric ratios. If any sides of the triangle are missing, find them before determining the ratio.

7.



a. *cos* (A)=

b. *sin* (A)=

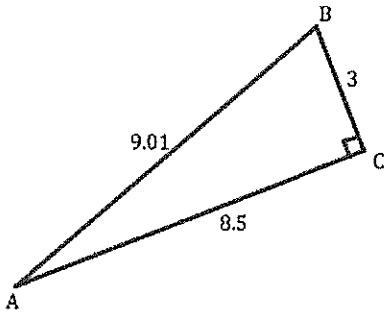
c. *tan* (A)=

d. *cos* (B)=

e. *sin* (B)=

f. *tan* (B)=

8.



a. *cos* (A)=

b. *sin* (A)=

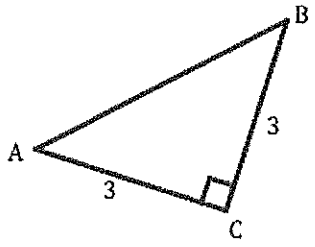
c. *tan* (A)=

d. *cos* (B)=

e. *sin* (B)=

f. *tan* (B)=

9.



a. *cos* (A)=

b. *sin* (A)=

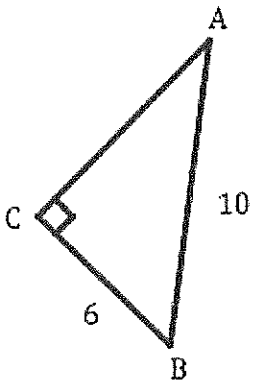
c. *tan* (A)=

d. *cos* (B)=

e. *sin* (B)=

f. *tan* (B)=

10.



a. *cos* (A)=

b. *sin* (A)=

c. *tan* (A)=

d. *cos* (B)=

e. *sin* (B)=

f. *tan* (B)=