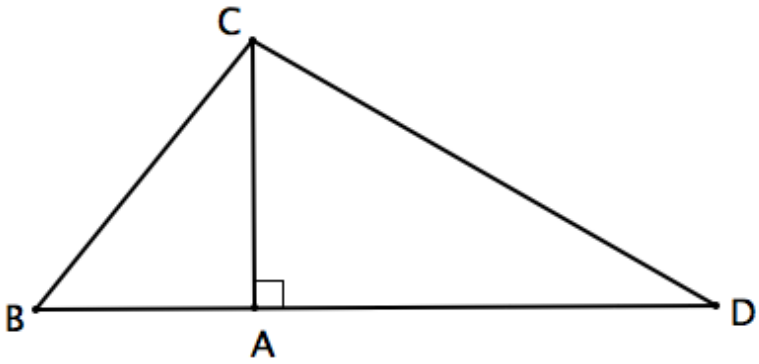
READY, SET, GO! Name Period Date

READY

Topic: Finding missing measures in triangles

Use the given figure to answer the questions. Round your answers to the hundredths place.

Given: $m\angle CBD = 51°$
$m\angle CDA = 30°$



1. Find $m\angle BCD$

Given : $m\angle CAD = 90°$

2. Find $m\angle BCA$ *and* $m\angle ACD$

Given: $CA = 6\ ft$

3. Find BC

4. Find BA

5. Find CD

6. Find AD

7. Find BD

8. Find the area of ΔBCD

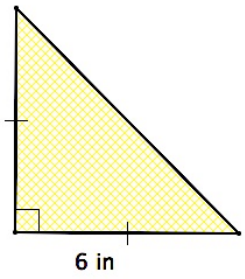
5.5

SET

Topic: Recalling triangle relationships in Special Right Triangles

Fill in all the missing measures in the triangles.

9.



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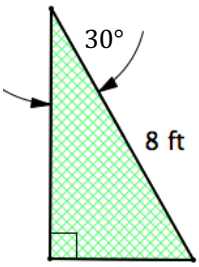

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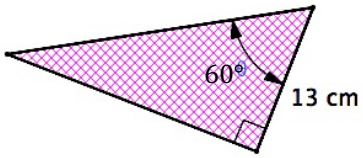

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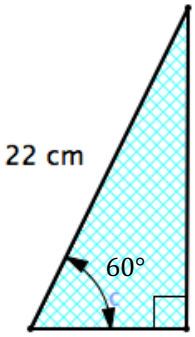

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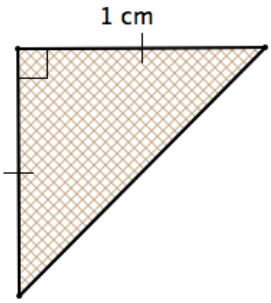

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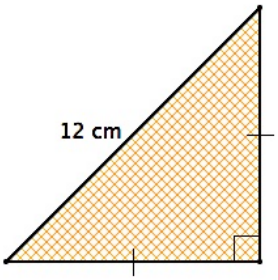

Use an appropriate triangle from above to fill in the function values below. No calculators.

15.

sin 45° =	
cos 45° =	
tan 45° =	

16.

sin 30° =	
cos 30° =	
tan 30° =	

17.

sin 60° =	
cos 60° =	
tan 60° =	

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mathematics vision project

GO

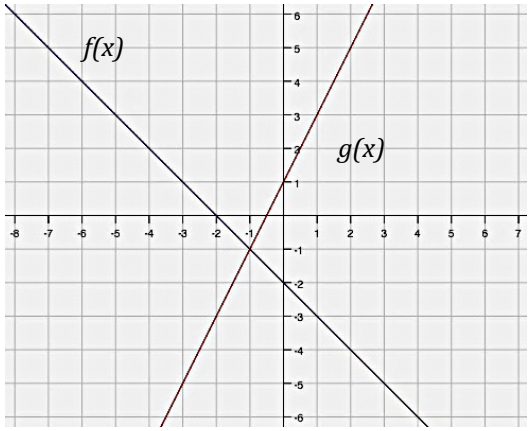
Topic: Performing function arithmetic on a graph

18. Add *f (x)* and *g(x)* using the graph at the right.

Draw the new figure on the graph and label it as *s(x), the sum of x.*

19. Subtract *f (x)* from *g(x)* using the graph at the right.

Draw the new figure on the graph and label it as *d(x), the difference of x.*

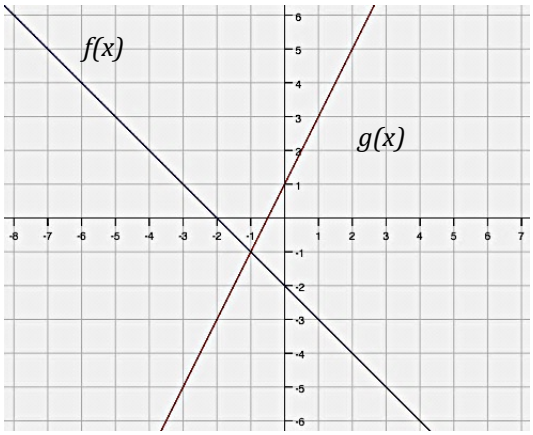


20. Multiply *f (x)* and *g(x)* on the second graph at the right.

Draw the new figure on the graph and label it as *p(x), the product of x.*

21. Divide *f (x)* by *g(x)* on the second graph at the right.

Draw the new figure on the graph and label it as *q(x), the quotient of x.*



22. Write the equations of *f (x)* and *g(x).*

23. Write the equation of the sum of *f (x)* and *g(x).*
s(x) =

24. Write the equation of the difference of *f (x)* and *g(x).*
d(x) =

25. Write the equation of the product of *f (x)* and *g(x).*
p(x) =

26. Write the equation of the quotient of *f (x)* divided by *g(x).*
q(x) =