

Name _____

ANSWER Sheet

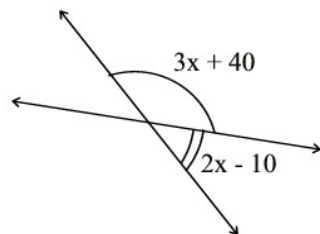
Show all work on this paper.
There is a printable "Certificate" available in the last box.

To start, go to

<http://mathbits.com/caching/GeoOpenCache1.html>

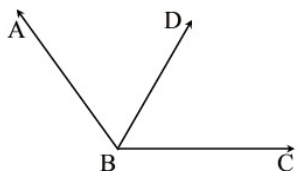
Box 1:

1. Assume the two lines shown at the right to be straight. Find the size of the two indicated angles.

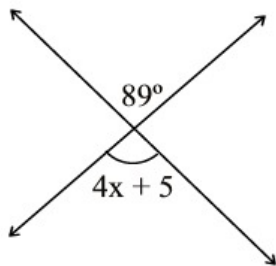


2.

\overline{BD} bisects $\angle ABC$
 $m\angle ABD = 14x + 20$
 $m\angle DBC = 22x - 12$
 Find x



3. Find x .



Box 2:

a. _____ e. _____

b. _____ f. _____

c. _____ g. _____

d. _____ h. _____

Box 3:

1. $m\angle 1 =$ _____ $m\angle 2 =$ _____ 2. _____
 $m\angle 3 =$ _____ $m\angle 4 =$ _____
 $m\angle 6 =$ _____ $m\angle 7 =$ _____
 $m\angle 8 =$ _____ $m\angle 9 =$ _____
 $m\angle 10 =$ _____ $m\angle 11 =$ _____
 $m\angle 12 =$ _____ $m\angle 14 =$ _____

Box 4:

1. _____ 2. _____

3. _____

Box 5:

1.

2. _____

3. _____

Box 7:

1.

2.

3. _____

Box 6:

1.

2.

3.

Box 8:

1.

2.

3.

Box 9:

1.

2. $x = \underline{\hspace{2cm}}$

$m < 1 = \underline{\hspace{2cm}}$

$m < 2 = \underline{\hspace{2cm}}$

$m < 3 = \underline{\hspace{2cm}}$

$m < 4 = \underline{\hspace{2cm}}$

Box 10: Complete this URL of the winning box!

[http://MathBits.com/Caching/ G_____](http://MathBits.com/Caching/G_____).html

Remember that there is a printable “Certificate”.