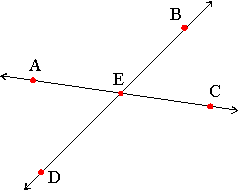
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

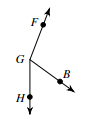
Angle Addition Postulate Worksheet

1. List the three undefined terms and explain why we need them.
2. If two angles up to 180° they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles.
3. If two angles add up to 90° they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles.
4. Name at least two pairs of supplementary angles in the figure below.

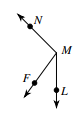
(There are 4 total)



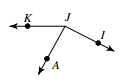
1. Use the following diagram to complete the angle addition postulate.



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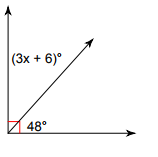
1. Use the following diagram to complete the angle addition postulate.

Then use the given information to solve for the missing angle measure.

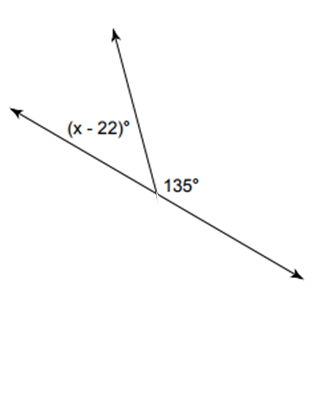
and

1. Are the following angles supplementary or complementary?

Set up an equation and solve for *x*.

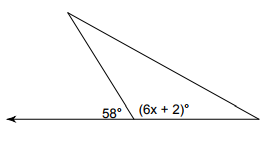


1. Are the following angles supplementary or complementary?

Set up an equation and solve for *x*.

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