

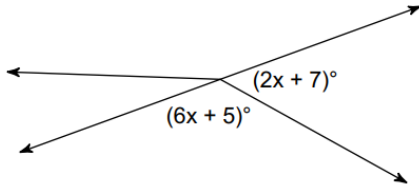
Name _____ Date _____

Solving Unknown Angles Using Equations

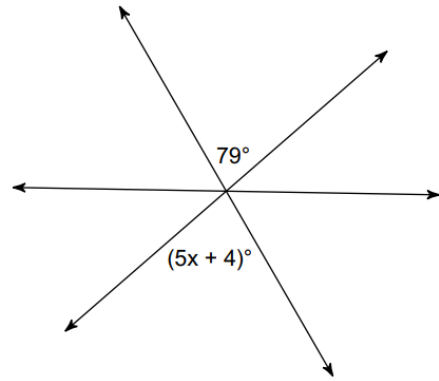
Write an equation for each problem to solve for x . **Justify your equation by stating the angle relationship** (adjacent angles, vertical angles, complementary angles, linear pair, or supplementary angles). If necessary, use lined paper to show all work.

Find the value of x .

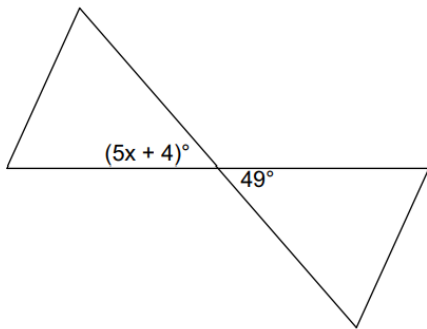
1)



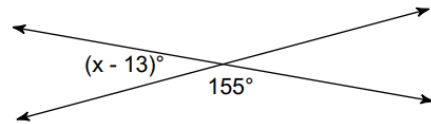
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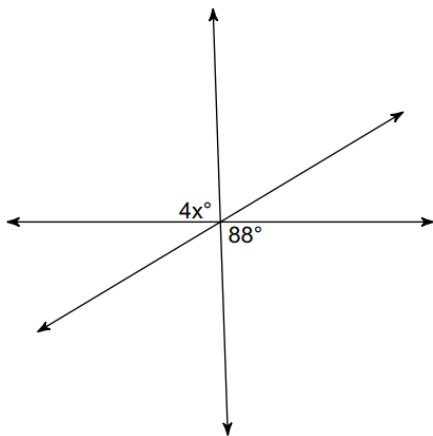
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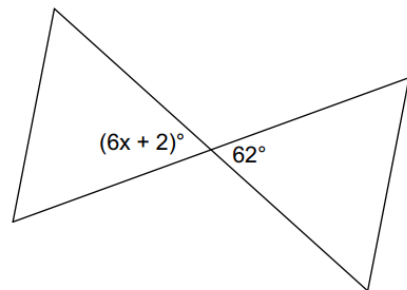
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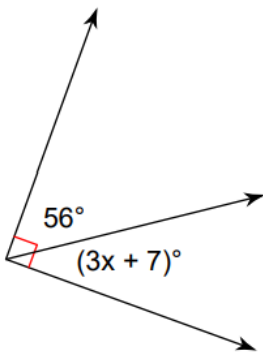
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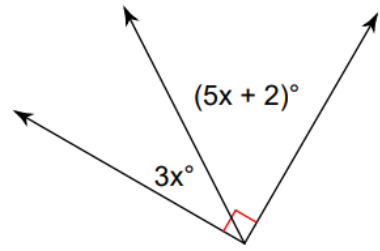
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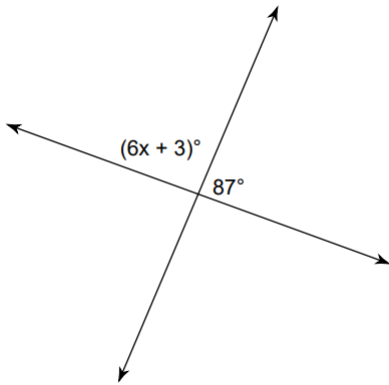
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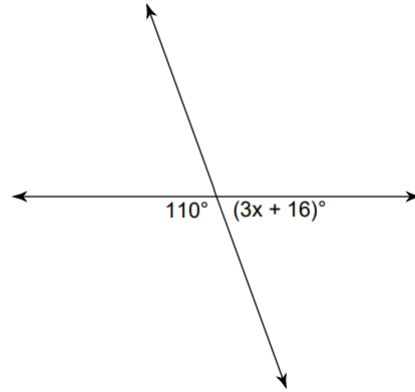
8)



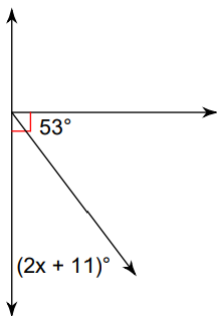
9)



10)



11)



12)

