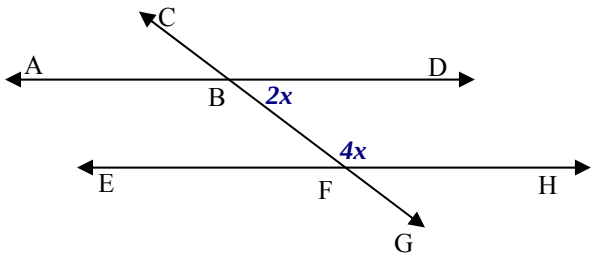
Name_____

FINDING UNKNOWN ANGLE MEASURES—SUPPLEMENTARY ANGLES--#5

Directions: Find the measure of each missing angle in the parallel lines and transversals below. Each pair of angles are *supplementary* to each other, which means the angles add up to 180°. All you have to do is set up and solve an equation where the expressions add up to equal 180°. Once you've solved for *x*, plug that value back into each expression to find the measure of each angle.

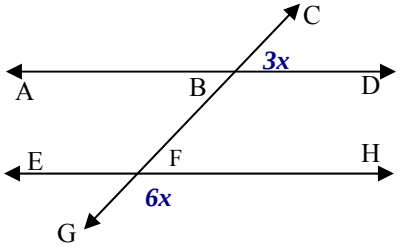
1)



Equation: _____

x = _____ ∠*HFC* = _____ ∠*DBG* = _____

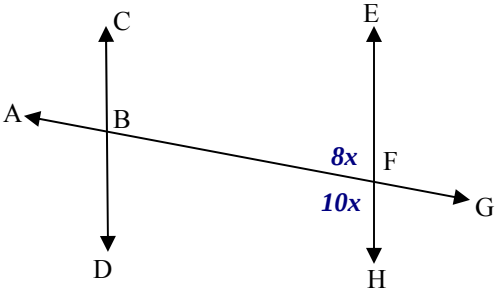
2)



Equation: _____

x = _____ ∠*CBD* = _____ ∠*GFH* = _____

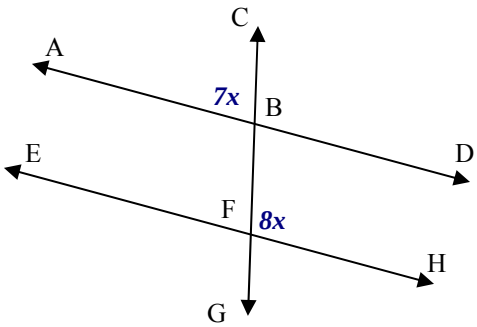
3)



Equation: _____

x = _____ ∠*AFH* = _____ ∠*AFE* = _____

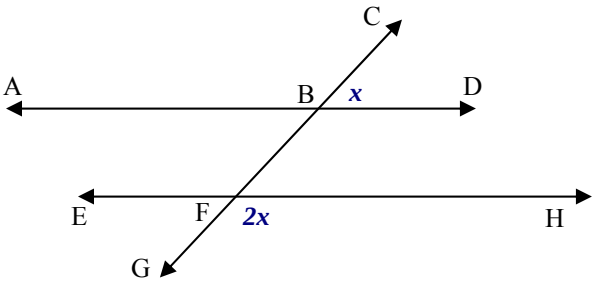
4)



Equation: _____

x = _____ ∠*CBA* = _____ ∠*CFH* = _____

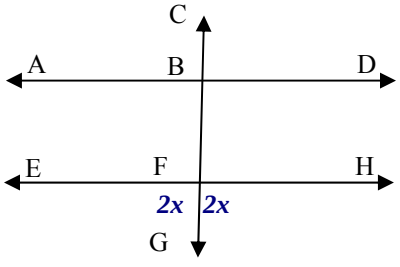
5)



Equation: _____

x = _____ ∠*GFH* = _____ ∠*CBD* = _____

6)



Equation: _____

x = _____ ∠*EFG* = _____ ∠*GFH* = _____