Chapter 1: Fundamentals
Lesson 1-4: Angles
Warmup: Current

name _____
date _____
period ___

For questions 1 -4, refer to figure 1.

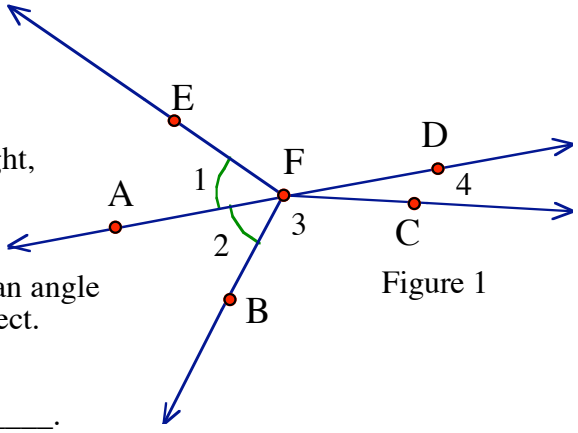

Figure 1

____; ____ 1. State two other names for <4.

_____ 2. Does <BFE appear to be acute, right, obtuse or straight?

_____ 3. Name a ray that appears to bisect an angle and the angle that it appears to bisect.

_____ 4. Complete: m<DFB = m<4 + _____.

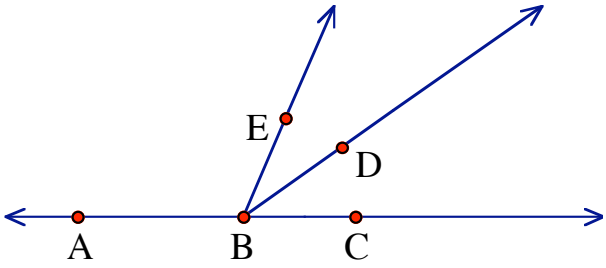

Figure 2

For questions 5 -8, refer to figure 2.

_____; _____ 5. If $m\angle ABE = 4x + 12$, $m\angle EBD = x + 15$, and $m\angle DBC = x - 3$, find x and $m\angle ABE$.

_____; _____ 6. Ray BD bisects $\angle EBC$. If $m\angle EBD = 9x - 19$ and $m\angle DBC = 5x + 5$, find x and $m\angle EBC$.

_____; _____ 7. If $m\angle EBD = 4x + 3$, $m\angle DBC = 2x - 4$ and $m\angle EBC = 83^\circ$, find x and $m\angle DBC$.

_____; _____ 8. If $m\angle ABE = 7x + 30$ and $m\angle EBC = 3x$, find x and $m\angle EBC$.