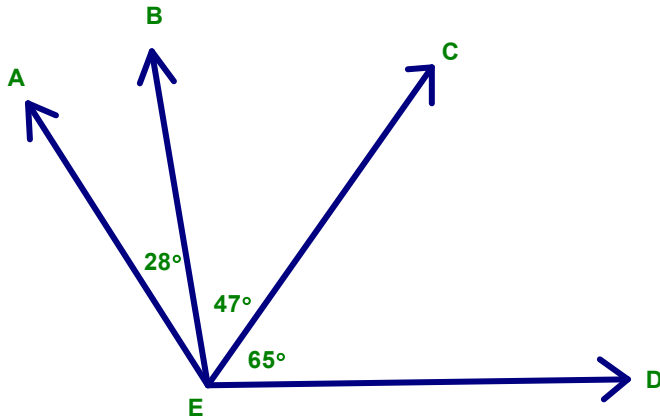**Geometry**
Writing Assignment: Angles
Each problem is worth 5 points
Total Points: 50

Use the image below and answer questions 1-5. Show all your work.
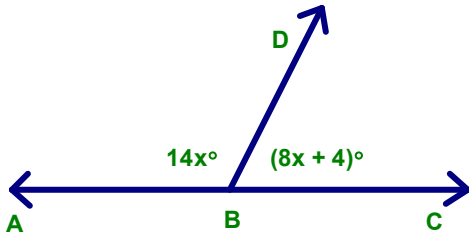

1. $m\angle AEB + m\angle CED$

2. $2m\angle AEC$
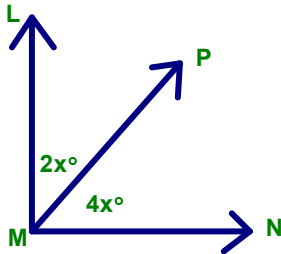
3. $m\angle AED - m\angle BEC$

4. $m\angle AEC + 3m\angle BEC$
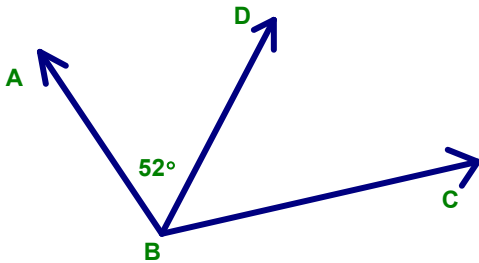
5. $\dfrac{1}{2}m\angle BED + 4m\angle AEB$

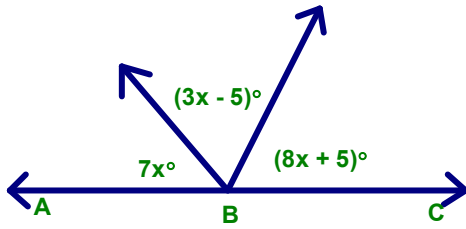6. ∠ABD and ∠DBC are supplementary, find the value of x.

D

14x°   (8x + 4)°

A   B   C

7. ∠LMP and ∠PMN are complementary, find the value of x.

L

P

2x°

4x°

M   N

8. The measure of ∠ABC is 102°, find the measure of ∠DBC.

D

A

52°

C

B

9. ∠ABC measures 180° find the value of x.

(3x - 5)°

7x°   (8x + 5)°

A   B   C

10. The measure of ∠GEF is 100°. Find value of x.

D

G

50°
(2x - 4)°   F

E