Geometry

Name: _____
Date: _____

Parallelogram Worksheet

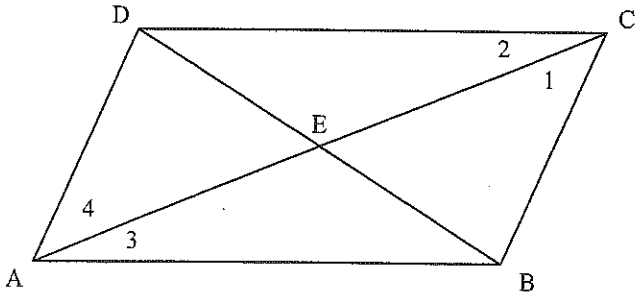
I. Complete each statement.

1. In a parallelogram, opposite sides are _____ and _____.

2. In a parallelogram, consecutive angles are _____.

3. In a parallelogram, diagonals _____ each other, which means they split each other in _____.

II. Complete each statement, using Parallelogram DCBA



4. If AD = 20, then BC = _____

5. If AB = 13, then DC = _____

6. If DB = 22, then DE = _____

7. If AE = 18, then AC = _____

8. If m∠ADC = 115°, then m∠ABC = _____

9. If m∠DAB = 75°, m∠ADC = _____

10. If m∠1 = 30°, then m∠4 = _____

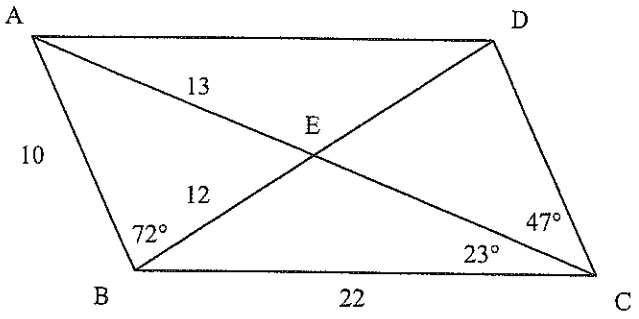
11. If m∠AED= 72°, m∠DEC = _____

12. If m∠ADC= 130°, and m∠1= 35°, m∠2= _____

13. If AC = 30 and AE = 3x + 3, then x = _____

14. If DC = 6x + y, BC = 3x + 2y, AB = 25, and AD = 14, then x = _____ and y = _____

III. Find the missing measurements of Parallelogram ADCB.



15. CD = _____

16. DA = _____

17. AC = _____

18. DB = _____

19. CE = _____

20. DE = _____

21. m∠ABC = _____

22. m∠BCE = _____

23. m∠BCD = _____

24. m∠ADC = _____

25. m∠BAD = _____

26. m∠CDE = _____

27. m∠EDA= _____

28. m∠DAE = _____

29. m∠EAB = _____

30. m∠AEB= _____

31. m∠BEC = _____

32. m∠CED = _____

33. m∠DEA = _____