

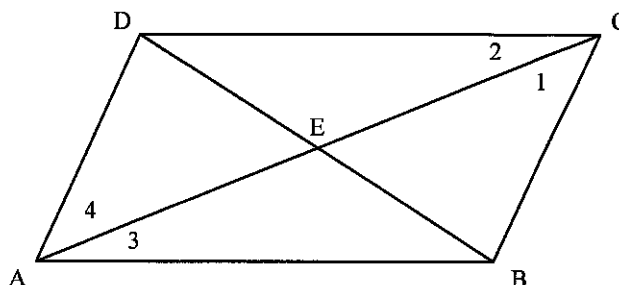
Parallelogram Worksheet

I. Complete each statement.

- In a parallelogram, opposite sides are _____ and _____.
- In a parallelogram, consecutive angles are _____.
- In a parallelogram, diagonals _____ each other, which means they split each other in _____.

II. Complete each statement, using Parallelogram DCBA

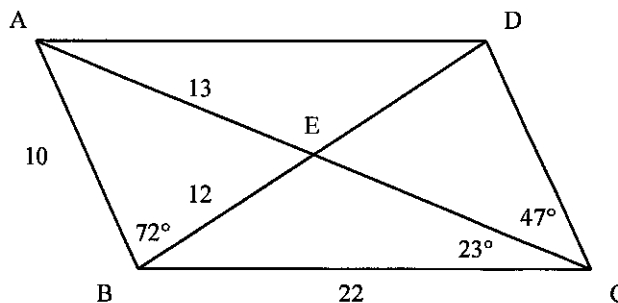
- If $AD = 20$, then $BC =$ _____
- If $AB = 13$, then $DC =$ _____
- If $DB = 22$, then $DE =$ _____
- If $AE = 18$, then $AC =$ _____
- If $m\angle ADC = 115^\circ$, then $m\angle ABC =$ _____



- If $m\angle DAB = 75^\circ$, $m\angle ADC =$ _____
- If $m\angle AED = 72^\circ$, $m\angle DEC =$ _____
- If $AC = 30$ and $AE = 3x + 3$, then $x =$ _____
- If $m\angle 1 = 30^\circ$, then $m\angle 4 =$ _____
- If $m\angle ADC = 130^\circ$, and $m\angle 1 = 35^\circ$, $m\angle 2 =$ _____
- 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. $m\angle ABC =$ _____ | 22. $m\angle BCE =$ _____ |
| 23. $m\angle BCD =$ _____ | 24. $m\angle ADC =$ _____ |
| 25. $m\angle BAD =$ _____ | 26. $m\angle CDE =$ _____ |
| 28. $m\angle DAE =$ _____ | 29. $m\angle EAB =$ _____ |
| 31. $m\angle BEC =$ _____ | 32. $m\angle CED =$ _____ |



- $m\angle EDA =$ _____
- $m\angle AEB =$ _____
- $m\angle DEA =$ _____

Name:

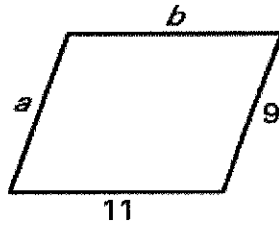
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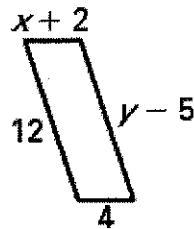
Practice Worksheet:
How do you use properties of parallelograms to solve problems?

Find the value of each variable in the parallelogram.

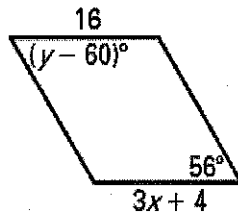
1.



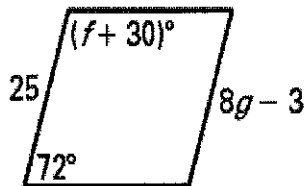
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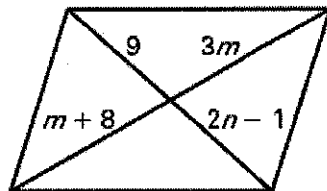
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5.



6.

