**Geometry 6.1 - 6.3 Review Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

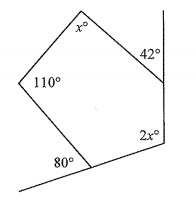
Fill in the formula used to find each:

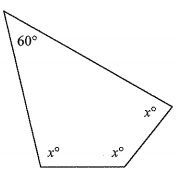
|  |  |
| --- | --- |
| 1. Sum of the interior angles of a polygon: |  |
| 2. Sum of the exterior angles of a polygon: |  |
| 3. Each interior angle of a regular polygon can be found by: |  |
| 4. Each exterior angle of a regular polygon can be found by: |  |

Fill in the missing information in the table below.

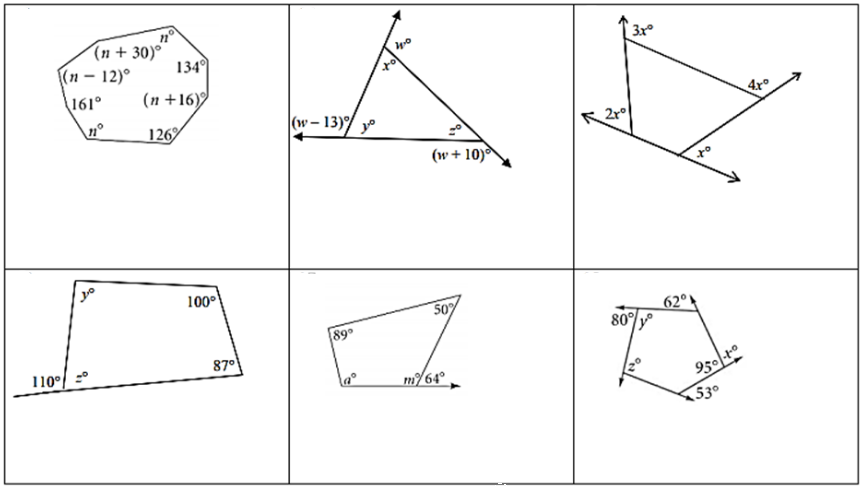
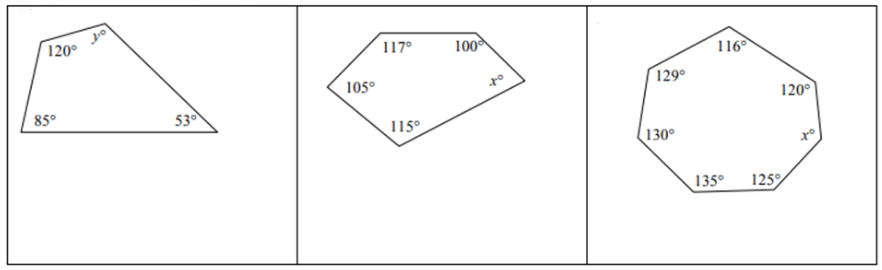
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **# of sides** | **Interior angle sum** | **Measure of ONE interior angle in a regular polygon** | **Exterior angle sum** | **Measure of ONE exterior angle if a regular polygon** |
| 5. | 12 |  |  |  |  |
| 6. | 18 |  |  |  |  |
| 7. |  |  |  |  |  |
| 8. |  |  |  |  |  |
| 9. |  |  |  |  |  |
| 10 |  |  |  |  |  |
| 11. |  |  |  |  |  |
| 12. |  |  |  |  |  |

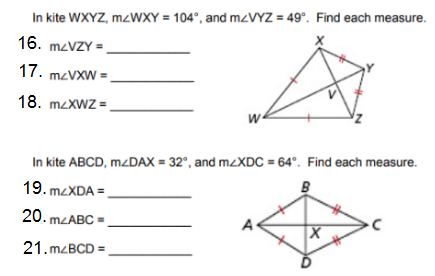
13. Find the value of x. 14. Find the value of x and 2x.

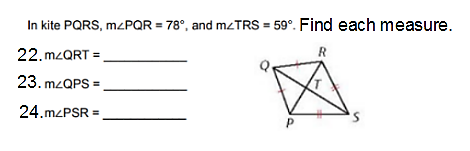


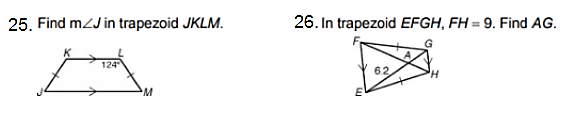


15. Find the value of each variable.

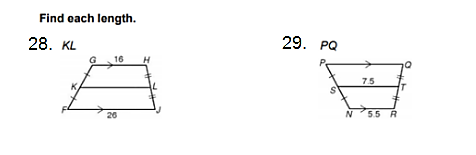






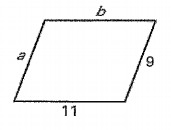
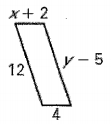




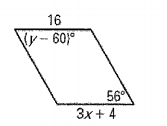
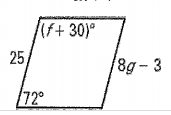


Find the value of each variable in each parallelogram.

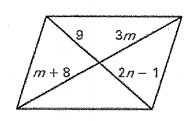
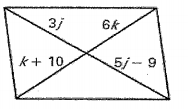
30. a = \_\_\_\_\_\_\_ b = \_\_\_\_\_\_\_ 31. x = \_\_\_\_\_\_\_ y = \_\_\_\_\_\_\_

32. x = \_\_\_\_\_\_\_\_ y = \_\_\_\_\_\_\_\_ 33. f = \_\_\_\_\_\_\_\_ g = \_\_\_\_\_\_\_\_

34. m = \_\_\_\_\_\_\_ n = \_\_\_\_\_\_\_\_ 35. j = \_\_\_\_\_\_\_\_ k = \_\_\_\_\_\_\_\_

Fill in the blank with the appropriate word or phrase.

36. In a parallelogram, opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

37. In a parallelogram, opposite angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

38. In a parallelogram, consecutive angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

39. In a kite, the diagonals are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

40. In an isosceles trapezoid, the base angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

41. In an isosceles trapezoid, the consecutive angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.