**Cholkar MCHS MATH II \_\_\_/\_\_\_/\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

HW # 9

|  |
| --- |
| 1. Use  where *L*, *M*, and *N* are midpoints of the sides to fill in the blanks below.
 |
|  |  | * 1.
 | * 1. is half the length of \_\_\_\_\_\_\_
 |
| * 1.
 | * 1.
 |
| * 1.
 | * 1.
 |
| * 1. is double the length of \_\_\_\_\_\_\_
 | * 1.
 |
| 1. Find the values of *x* in each of the pictures below.
 |
|  | * 1. is a midsegment of

 |  | * 1. is a midsegment of

 |
| 1. In the diagram below of  *D* is the midpoint of  *O* is the midpoint of  and *G* is the midpoint of

If   and  what is the perimeter of parallelogram *CDOG*?(1) 21 (3) 32(2) 25 (4) 40 | 1. In the diagram of  below,   and  Find the perimeter of the triangle formed by connecting the midpoints of the sides of

 |
| 1. On the set of axes to the right, graph and label  with vertices at   and  If *G* is the midpoint of  and *H* is the midpoint of  state the coordinates of *G* and *H* and label each point on your graph. Explain why
 |  |
| 1. Use  below, where points *D*, *E*, and *F* are midpoints of the sides, to answer the following questions.
 |
|  |  | * 1. If  and , what is *DF*?
 | * 1. If  and , what is *AB*?
 |

|  |
| --- |
| 1. Find the values of *x* and *y* in the diagrams below:
 |
|  | * 1.

 | * 1.

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