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

HW # 7

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| --- | --- |
| 1. In the diagram,  is the perpendicular bisector of . Find . | 1. If  is the perpendicular bisector of , what is the value of *AB*? (Find *x* first.)

 |
| 1. If  and , what is the length of *LM*?

 | 1. Draw point *Q* anywhere on . If , what is the length of *MQ*?

 |

|  |  |
| --- | --- |
| 5.  | 6.  |
| 7. Find the value of x. | 8. Find the value of x.  |

**REVIEW:**

9. Find the value of *x* and classify the triangle by its angles.



10. Find the measure of angles *D*, *E*, and *F*.

11. In , , , and . What type of triangle is ? Explain your reasoning.