**G102 Review**

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8.

7.

6.

5.

9. a. Draw two lines $\overleftrightarrow{MG}$ and $\overleftrightarrow{SK}$ intersecting at point $L$.

 b. Name a pair of supplementary angles.

 c. Name a pair of vertical angles.



10.

**Find the value of the variables:**

  

12.

11.

13. $∡ABC$and $∡DEF $are supplementary. $∡ABC=5x-10$ and $∡DEF=4x+28$. Find the value of *x* and the

 measure of each angle.

14. $∡LJH$and $∡TUD$ are complementary. $∡LJH=7m-2$ and $∡TUD=3m+12$. Find the value of *m* and the

 measure of each angle.

**Challenge Questions:**

15. Is it possible for a pair vertical angles, to also be a linear pair? Explain your reasoning.

16. Is it possible for a pair of vertical angles to be supplementary? Explain your reasoning.