**Name the angles in the figure.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.**  | $$ M$$ $ T $$$ F A$$ | **2.**  | $ S L$ $K D$ $ N$ | **3.** | $ V$  $ B N S$ |
|  |  |  |  |  |  |

**Name the vertex and sides of each angle.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4.**  | $$ R$$ $ S $$G$ | **5.**  | $ Z$ $$F$$ $ R$ | **6.** | $ U$  $ T Q$ |
|  |  |  |  |  |  |

**Classify the following angles as acute, right, obtuse, or straight.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7.**  | $ E$ $ $$ $$ H L$ | **8.**  | $ $ $$F$$ $ R C$ | **9.** | $ T$  $ W N$ |
|  |  |  |  |  |  |

**Find the measure of each angle.**

|  |  |  |  |
| --- | --- | --- | --- |
| **10.** | $m∠KDP,m∠KDM, m∠JDP, m∠KDJ=?$https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM$ P$$ J$$$ K D M$$ | **11.** | $$m∠USE, m∠UST, m∠EST, m∠RST =?$$$ $https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM$R$$$ T$$$$ E $$$$ S U$$ |
|  |  |  |  |

**Use a protractor to draw each angle. Then classify each angle.**

|  |  |  |  |
| --- | --- | --- | --- |
| **12.** | $$m∠SOG=142$$ | **13.** | $$m∠IND=55$$ |
|  |  |  |  |
|  |  |  |  |
| **14.** | $$m∠EFH=90$$ | **15.** | $$m∠ZXY=180$$ |
|  |  |  |  |
|  |  |  |  |

**Find the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **16.** | $$m∠JFG=34 m∠GFQ=43 $$$$m∠JFQ=?$$$G $$ Q$$ F J$  |  |
| **17.** | $$m∠POC=132 m∠ROC=52 $$$$m∠POR=?$$$ R$$ C$$ O P$  |  |

**Find the value of** $x$ **and then the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **16.** | **If** $m∠IFD=125$**,** $ m∠IFW=2x+15, $$m∠WFD=x-10$ **what are** $m∠IFW and m∠WFD? $$W $$ D$$ $$$ \left(x-10\right)°$$$$ \left(2x+15\right)°$$$ F I$  |  |
| **17.** | **If** $m∠PKR=62 , m∠RKS=x-12, $$and m∠PKS=3x+10$, **what are** $m∠RKS and m∠PKS? $$ R$$ S$$$ \left(x-12\right)°$$$$ 62°$$$ K P$  |  |

**Find the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **18.** | **If** $ \vec{DN} $**bisects**$ ∠FDS$ **and** $m∠FDS=104$ **, find** $ m∠FDN$ **and** $ m∠NDS.$$ S N$$ $$ D F$  |  |
| **19.** | **If** $ \vec{BC} $**bisects**$ ∠ABD$ **and** $m∠ABC=51$ **, find** $ m∠ABD$ **and** $ m∠CBD.$$$ D $$$ C$$ $$ B A$  |  |

**Find the value of** $x$ **and then the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **20.** | **If** $ \vec{ON} $**bisects**$ ∠FOL$ **and** $m∠FOL=4x-10$**,** $m∠FON=x+30, $**find**$ m∠FON, m∠FOL and m∠NOL.$$ L N$$(x+30)°$$ O F$  |  |