**Name the angles in the figure.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** |  | **2.** |  | **3.** |  |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4.** |  | **5.** |  | **6.** |  |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7.** |  | **8.** |  | **9.** |  |
|  |  |  |  |  |  |

**Find the measure of each angle.**

|  |  |  |  |
| --- | --- | --- | --- |
| **10.** | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM | **11.** | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |
|  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **12.** |  | **13.** |  |
|  |  |  |  |
|  |  |  |  |
| **14.** |  | **15.** |  |
|  |  |  |  |
|  |  |  |  |

**Find the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **16.** |  |  |
| **17.** |  |  |

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

|  |  |  |
| --- | --- | --- |
| **16.** | **If ,**  **what are** |  |
| **17.** | **If**  , **what are** |  |

**Find the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **18.** | **If bisects and , find and** |  |
| **19.** | **If bisects and , find and** |  |

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

|  |  |  |
| --- | --- | --- |
| **20.** | **If bisects and , find** |  |

**ANSWERS**

**Name the angles in the figure.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1.** |  | **2.** |  | **3.** |  |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4.** |  | **5.** |  | **6.** |  |
|  | **Vertex**  **Sides** |  | **Vertex**  **Sides** |  | **Vertex**  **Sides** |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **7.** |  | **8.** |  | **9.** |  |
|  | **is right angle** |  | **is obtuse angle** |  | **is acute angle** |

**Find the measure of each angle.**

|  |  |  |  |
| --- | --- | --- | --- |
| **10.** | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM | **11.** | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |
|  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **12.** |  | **13.** |  |
|  | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |  | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |
|  | **Obtuse angle** |  | **Acute angle** |
| **14.** |  | **15.** |  |
|  | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |  | https://lh6.googleusercontent.com/d3-Z8ZYWIAYnzZam0k-3jKFlLrIk1cWbXDKohgIE0AaQHE_iFku1j63EeRZeEY-lqgmCiTWhbR1Dx6UAwFE2JROY53czHWpWV_XkYEaJkzlPjiB76PB8K7So4h8ttc8730E1qeRl9oM |
|  | **Right angle** |  | **Straight angle** |

**Find the indicated angle measures.**

|  |  |  |  |
| --- | --- | --- | --- |
| **16.** |  |  | |
| **17.** |  |  |

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

|  |  |  |
| --- | --- | --- |
| **16.** | **If ,**  **what are** |  |
| **17.** | **If**  **, what are** |  |

**Find the indicated angle measures.**

|  |  |  |
| --- | --- | --- |
| **18.** | **If bisects and , find and** |  |
| **19.** | **If bisects and , find and** |  |

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

|  |  |  |
| --- | --- | --- |
| **20.** | **If bisects and , find** |  |