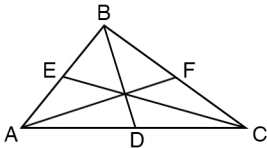
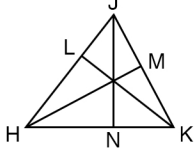
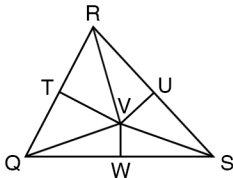
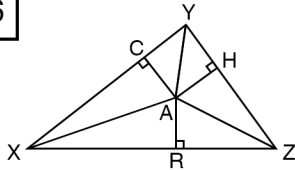
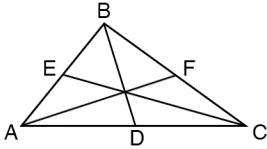
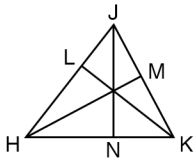
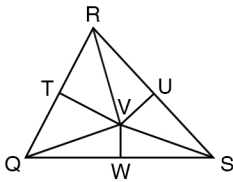
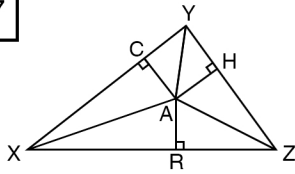
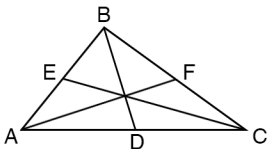
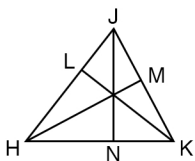
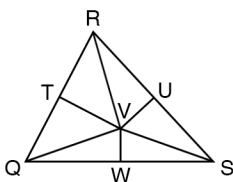
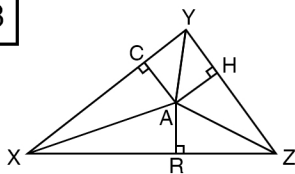
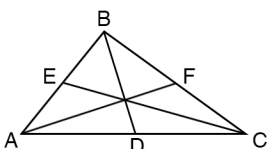
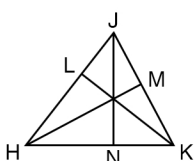
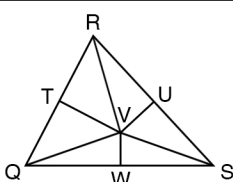
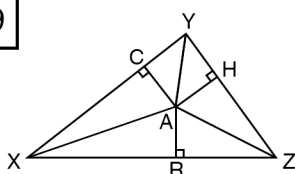
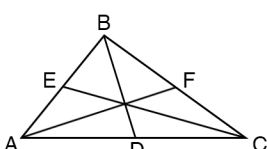
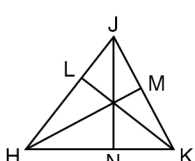
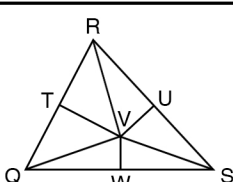
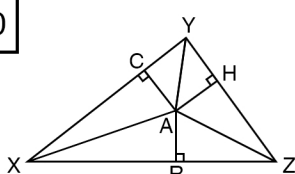


Special Triangle Segments and Points of Concurrency

Name: _____

<p>1</p>  <p>\overline{AF}, \overline{BD}, and \overline{CE} are medians. If these segments intersect at point G, then G is the _____.</p>	<p>6</p>  <p>\overline{HM}, \overline{JN}, and \overline{LK} are altitudes. If these segments intersect at point P, then P is the _____.</p>	<p>11</p>  <p>\overline{TV}, \overline{UV}, and \overline{WV} are perpendicular bisectors that intersect at point V, so V is the _____.</p>	<p>16</p>  <p>\overline{XA}, \overline{YA}, and \overline{ZA} are angle bisectors that intersect at point A, so A is the _____.</p>
<p>2</p>  <p>\overline{AF}, \overline{BD}, and \overline{CE} are medians that intersect at point G. If $AG = 8$, then $GF = \underline{\hspace{1cm}}$ and $AF = \underline{\hspace{1cm}}$.</p>	<p>7</p>  <p>\overline{HM}, \overline{JN}, and \overline{LK} are altitudes that intersect at point P. If $HL = 12$ and $LP = 5$, then $HP = \underline{\hspace{1cm}}$.</p>	<p>12</p>  <p>\overline{TV}, \overline{UV}, and \overline{WV} are perpendicular bisectors. If $QV = 18$, then $RV = \underline{\hspace{1cm}}$ and $SV = \underline{\hspace{1cm}}$.</p>	<p>17</p>  <p>\overline{XA}, \overline{YA}, and \overline{ZA} are angle bisectors that intersect at A. If $AC = 27$, then $AR = \underline{\hspace{1cm}}$ and $AH = \underline{\hspace{1cm}}$.</p>
<p>3</p>  <p>\overline{AF}, \overline{BD}, and \overline{CE} are medians that intersect at point G. If $BF = 6$, then $FC = \underline{\hspace{1cm}}$ and $BC = \underline{\hspace{1cm}}$.</p>	<p>8</p>  <p>\overline{HM}, \overline{JN}, and \overline{LK} are altitudes that intersect at point P. If $m\angle MPK = 67^\circ$, then $m\angle PKM = \underline{\hspace{1cm}}$.</p>	<p>13</p>  <p>\overline{TV}, \overline{UV}, and \overline{WV} are perpendicular bisectors. If $VU = 9$ and $VR = 15$, then $RU = \underline{\hspace{1cm}}$.</p>	<p>18</p>  <p>\overline{XA}, \overline{YA}, and \overline{ZA} are angle bisectors that intersect at A. If $AC = 9$ and $AX = 17$, then $CX = \underline{\hspace{1cm}}$.</p>
<p>4</p>  <p>\overline{AF}, \overline{BD}, and \overline{CE} are medians that intersect at point G. If $EG = 2x - 1$ and $GC = 3x + 1$ then $x = \underline{\hspace{1cm}}$ and $EC = \underline{\hspace{1cm}}$.</p>	<p>9</p>  <p>\overline{HM}, \overline{JN}, and \overline{LK} are altitudes that intersect at point P. If $JM = x - 8$, $JP = x - 7$, and $PM = x - 9$, then $x = \underline{\hspace{1cm}}$.</p>	<p>14</p>  <p>\overline{TV}, \overline{UV}, and \overline{WV} are perpendicular bisectors. If $QT = 5x - 19$ and $TR = 2x + 8$ then $x = \underline{\hspace{1cm}}$ and $QR = \underline{\hspace{1cm}}$.</p>	<p>19</p>  <p>\overline{XA}, \overline{YA}, and \overline{ZA} are angle bisectors that intersect at A. If $m\angle CXA = x - 9$ and $m\angle CXR = x + 10$, then $x = \underline{\hspace{1cm}}$.</p>
<p>5</p>  <p>\overline{AF}, \overline{BD}, and \overline{CE} are medians that intersect at point G. If $AE = 9 - 2x$ and $EB = 8x - 16$ then $x = \underline{\hspace{1cm}}$ and $AB = \underline{\hspace{1cm}}$.</p>	<p>10</p>  <p>\overline{HM}, \overline{JN}, and \overline{LK} are altitudes that intersect at point P. If $m\angle LPH = 2x + 2$ and $m\angle PHL = x - 5$, then $x = \underline{\hspace{1cm}}$.</p>	<p>15</p>  <p>\overline{TV}, \overline{UV}, and \overline{WV} are perpendicular bisectors. If $m\angle WVQ = 10x + 1$ and $m\angle VQW = 4x - 9$, then $x = \underline{\hspace{1cm}}$.</p>	<p>20</p>  <p>\overline{XA}, \overline{YA}, and \overline{ZA} are angle bisectors that intersect at A. If $XR = 63$, $AZ = 34$, and $RZ = 30$, then $XA = \underline{\hspace{1cm}}$.</p>