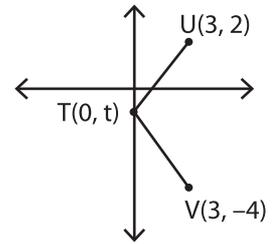
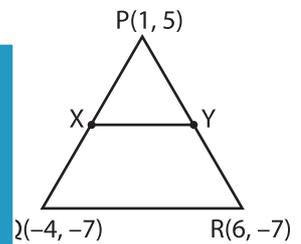


Distance Formula

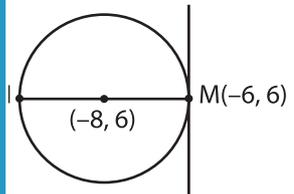
- 1) A point $(0, t)$ is equidistant from the points $U(3, 2)$ and $V(3, -4)$. Find the value of t .



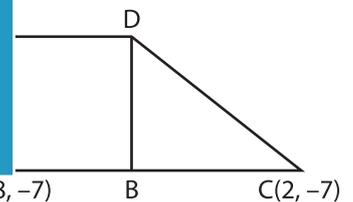
- 2) X and Y are the midpoints of \overline{PQ} and \overline{PR} respectively. Find the length of \overline{XY} .



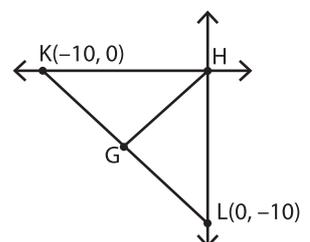
- 3) A tangent touches the circle at point M(-6, 6). Find the radius (or diameter) of the circle.



- 4) ABDE is a rectangle. E is the origin. Find the length of \overline{AD} .



- 5) G is the midpoint of the line segment KL. H is the origin. Find the length of \overline{GH} .



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