

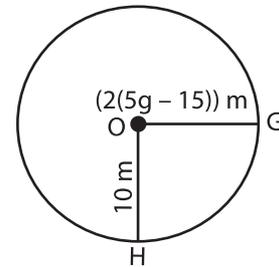
Name : _____

Multi-Step Equations: Shapes

Type 3: S2

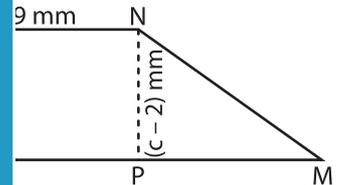
Solve each problem.

- 1) O is the center of the circle given in the figure. If $OH = 10$ m, find the value of g .



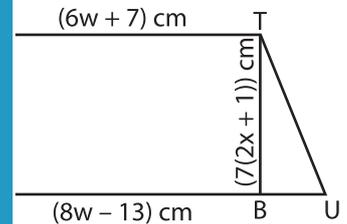
$g =$ _____

- 2) In the quadrilateral $STBA$, $STBA$ is a rectangle. Find the value of c .



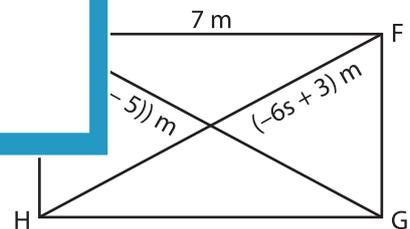
$c =$ _____

- 3) $STUV$ is a trapezoid. $STBA$ is a rectangle. Find the value of w and x , if $STBA$



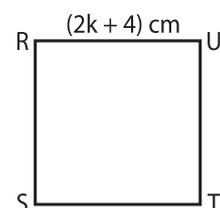
$w =$ _____

- 4) The diagonals EG and FH of the parallelogram $EHFG$ intersect at O . If $EO = (3(-8s - 5))$ m and $FO = (-6s + 3)$ m, find the value of s .



$s =$ _____

- 5) The perimeter of the square $RSTU$ is 32 cm. Find the value of k and the side RS .



$k =$ _____ ; $RS =$ _____

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