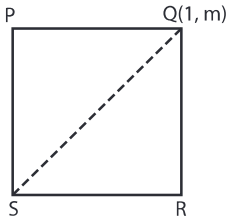
Name : _____ Score : _____

Identifying Unknowns

Sheet 3

1) PQRS is a square. If Q(1, m) lies on the diagonal $\overline{QS}$ whose equation is x – y = –6, then what is the value of m?



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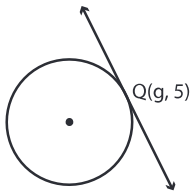
2) The equation of a tangent is 2x + y = –3 which touches the circle at Q(g, 5). What is the value of g?



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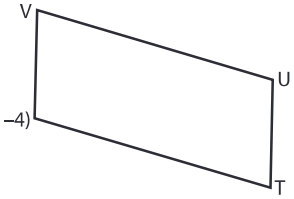
3) If S(–7, –4) is a ve tion of $\overline{ST}$ is given by 2x – ay = –42, the



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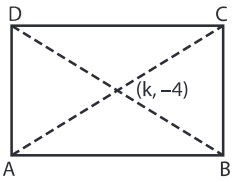
4) ABCD is a rectan + 5y = –2. If (k, –4) is the intersectin



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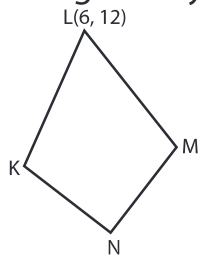
5) L(6, 12) is one of f $\overline{LK}$ is given by –hx + 4y = –6. Fir



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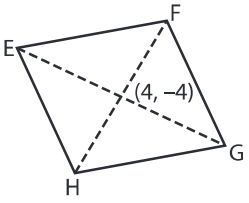
6) The diagonals of the rhombus meets at (4, –4). Find the value of w if one of the diagonal has the equation x – wy = –4.



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