Name : _____ Score : _____

MCQ

Sheet 1

1) The diagonal $\overline{AC}$ of the rectangle has end points (–3, 2) and (3, 6). Which of the following is the value of m, if the point (0, m) lies on the diagonal $\overline{AC}$ of the rectangle?

a) m = –4 b) m = 6 c) m = 2 d) m = 4

2) The diameter of the circle is passing through the points (2, 5) and (5, –4). If (s, 2) is a point on that diameter, then which of the following is the value of s?

a) s = 2 b) s = 3 c) s = 5 d) s = –2

3) A side of the trapezoid is passing through the points (6, –4) and (8, –6). Identify the value of v, if the point (7, –v) lies on that side.

a) v = 7 b) v = –5 c) v = 5 d) v = –7

4) A side $\overline{UV}$ of the rhombus has the end points (–5, –2) and (–8, –5). If the point (–7, q) lies on the side $\overline{UV}$ of the rhombus, then Identify the value of q.

a) q = 7 b) q = –1 c) q = –4 d) q = 2

5) The diagonal $\overline{AB}$ of the square has the end points (–1, –1) and (–9, 7). (u, 5) is a point on the diagonal $\overline{AB}$. Which of the following is the value of u?

a) u = –7 b) u = –3 c) u = 5 d) u = 3

6) Which of the following is the value of k if the point (k, 5) lies on the side of the triangle joining the points (6, 7) and (4, 3)?

a) k = 1 b) k = 5 c) k = 6 d) k = –5

7) A side $\overline{CD}$ of a kite is formed by joining the points (–5, –6) and (–8, 0). Identify the value of z if the point (–7, z) lies on the side $\overline{CD}$ of the kite.

a) z = 2 b) z = 9 c) z = 0 d) z = –2

Name : _____ Score : _____

Answer key

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