

Answer key**MCQ**

Sheet 4

1) A side \overline{CD} of the parallelogram has the end points $(9, -6)$ and $(-6, -9)$. If the point $(-1, f)$ lies on the side \overline{CD} of the parallelogram, then Identify the value of f .

a) $f = 2$

b) $f = -3$

c) $f = -8$

d) $f = 8$

2) The diagonal of a square is passing through the points $(7, 0)$ and $(3, 4)$. Identify the value of n , if the point $(n, 2)$ lies on the diagonal.

a) $n = -8$

d) $n = 5$

3) Which of the following is the diagonal of the rectangle joining the points $(-2, 3)$ and $(4, 5)$ on the side of the

PREVIEWrectangle joining the points $(-2, 3)$ and $(4, 5)$ on the side of the

a) $h = 4$

d) $h = -6$

4) The diameter of a circle is passing through the point $(-2, 3)$ and is perpendicular to the chord \overline{AB} . If $(w, -3)$ is a point on the diameter, then identify the value of w ?

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If $(w, -3)$ is a point on the diameter, then identify the value of w ?

a) $w = 2$

d) $w = 0$

5) The diagonal \overline{EF} of a rhombus is perpendicular to the side \overline{AB} . If the coordinates of E and F are $(-2, 3)$ and $(4, 5)$ respectively, then which of the following is the length of the diagonal \overline{EF} of the rhombus?

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If the coordinates of E and F are $(-2, 3)$ and $(4, 5)$ respectively, then which of the following is the length of the diagonal \overline{EF} of the rhombus?

a) $m = -1$

d) $m = 4$

6) A side of the triangle is passing through the points $(-2, 3)$ and $(4, 5)$. Identify the value of r , if the point $(-r, 2)$ lies on that side.

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a) $r = 8$

b) $r = -9$

c) $r = 0$

d) $r = 7$

7) Identify the value of k if the point $(0, k)$ lies on the side of the triangle which passes through the points $(-1, 4)$ and $(3, 0)$.

a) $k = 3$

b) $k = -7$

c) $k = 2$

d) $k = -4$