Distance Formula

1) W is a midpoint of $\overline{XY}$. Find the distance between Z and W.

Z(−3, 1)

X(−8, −6) W Y(2, −6)
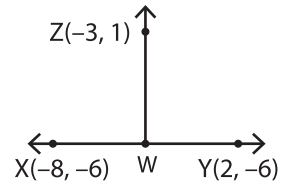
2) Two tangents touch the circle at the points K(4, −2) and L(8, −7). Find the length of the chord $\overline{KL}$. Round the answer to nearest tenth.

K(4, −2)

L(8, −7)
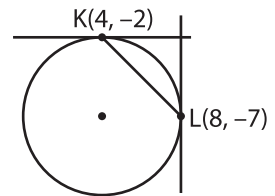
3) D is a midpoint of $\overline{AB}$.   tenth.

−2, 4)

−2, 2)   C(4, 2)
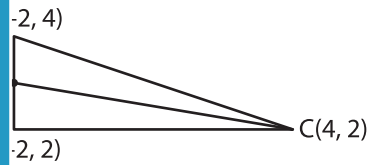
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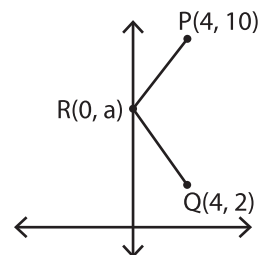Not a member? Please sign up to gain complete access.

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4) A point (0, a) is equid   alue of a.

P(4, 10)

R(0, a)

Q(4, 2)

5) W is a point of intersection of the diagonals of a parallelogram STUV. Find the length of $\overline{TV}$. Round the answer to nearest tenth.

S(−8, −2)   T

W

V(−9, −4)   U(−6, −4)