Distance Formula
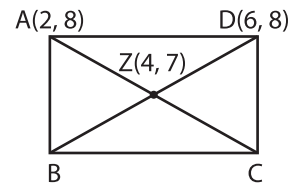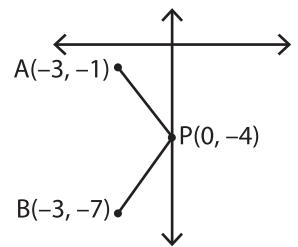
1) ABCD is a rectangle. Z is a point of intersection of the diagonals. Find the length of $\overline{CD}$.

A(2, 8)   D(6, 8)
Z(4, 7)
B   C

_____

2) Prove that the lengths of $\overline{PA}$ and $\overline{PB}$ are equal.

A(−3, −1)
P(0, −4)
B(−3, −7)

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

3) A is the midpoint of L

J(4, −4)
−7)   N(7, −7)
L(2, −10)   A   M(6, −10)

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.
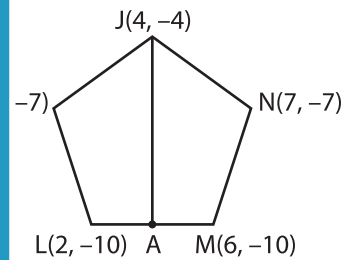
4) A tangent touches th   radius of the circle.
Round the answer to

S(4, 5)
(2, 3)

_____
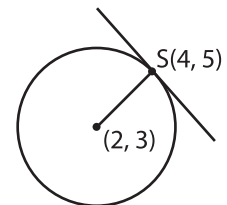
5) Q is the midpoint of $\overline{RS}$. Find the distance between Q and T.

R(−3, 4)   Q   S(5, 4)

T(1, 0)

_____