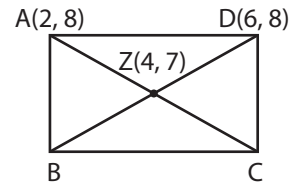
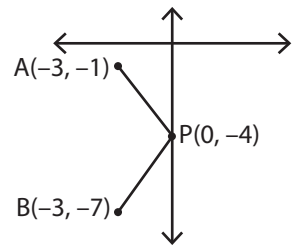


Distance Formula

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



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



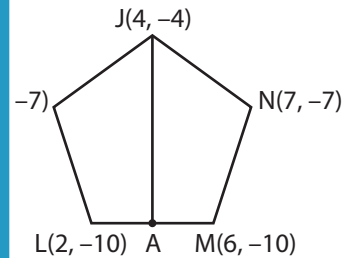
- 3) A is the midpoint of \overline{LM}

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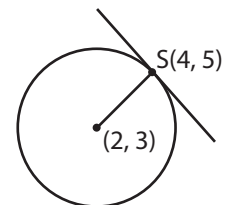
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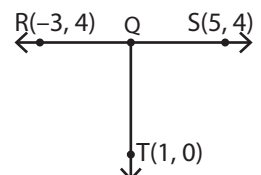


- 4) A tangent touches the circle at S(4, 5). Round the answer to the nearest hundredth.

radius of the circle.



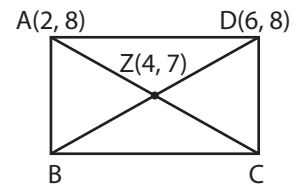
- 5) Q is the midpoint of \overline{RS} . Find the distance between Q and T.



Distance Formula

Sheet 2

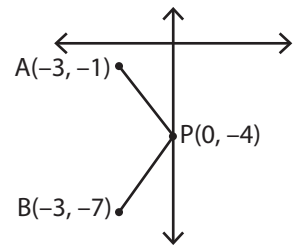
- 1) ABCD is a rectangle. Z is a point of intersection of the diagonals. Find the length of \overline{CD} .



CD = 2 units

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

PA = PB = $\sqrt{18}$ units



- 3) A is the midpoint of \overline{LM} .

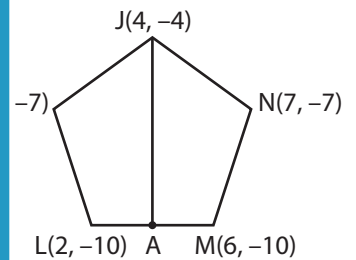
JA = 6 units

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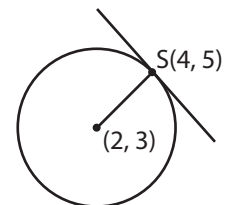
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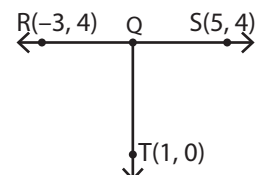
- 4) A tangent touches the circle at S(4, 5). Round the answer to the nearest tenth.

$\sqrt{8} \approx 2.8$ units

radius of the circle.



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



QT = 4 units
