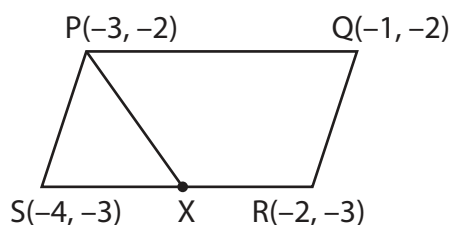


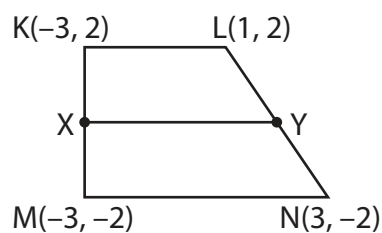
Midpoint and Distance

Solve each problem. Round your answer to the nearest tenth.

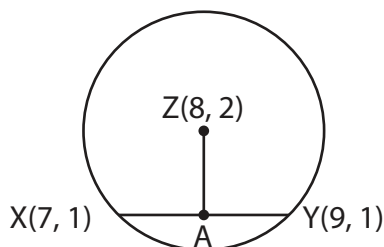
- 1) X is the midpoint of \overline{SR} . Find the length of \overline{PX} .



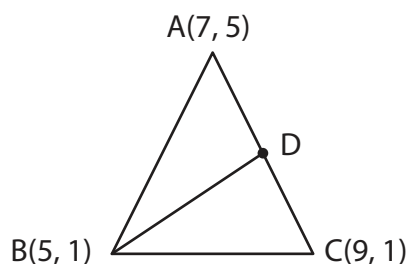
- 2) X and Y are the midpoints of \overline{KM} and \overline{LN} . Find the length of \overline{XY} .



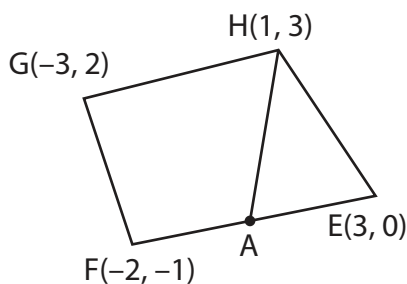
- 3) If Z is the center of the circle, A is the midpoint of chord \overline{XY} , then find the length of \overline{ZA} .



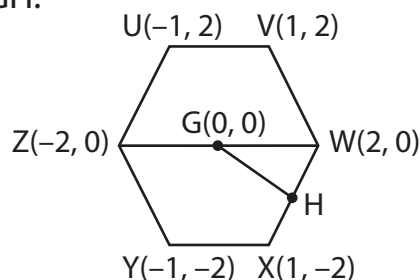
- 4) Find the length of the median \overline{BD} .



- 5) A is the midpoint of \overline{EF} . Find the length of \overline{HA} .



- 6) G and H are the midpoints of \overline{ZW} and \overline{WX} respectively. Find the length of \overline{GH} .

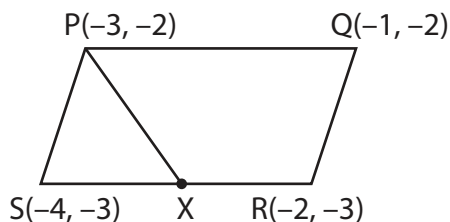


Midpoint and Distance

Answer Key

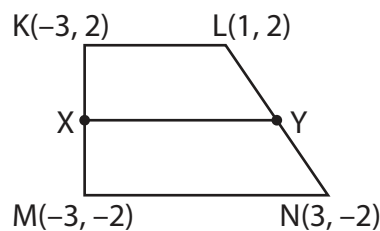
Solve each problem. Round your answer to the nearest tenth.

- 1) X is the midpoint of \overline{SR} . Find the length of \overline{PX} .



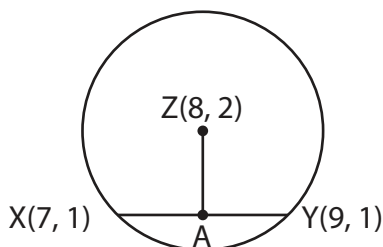
1 unit

- 2) X and Y are the midpoints of \overline{KM} and \overline{LN} . Find the length of \overline{XY} .



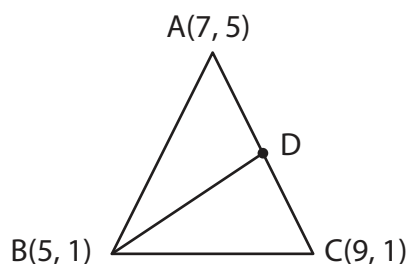
5 units

- 3) If Z is the center of the circle, A is the midpoint of chord \overline{XY} , then find the length of \overline{ZA} .



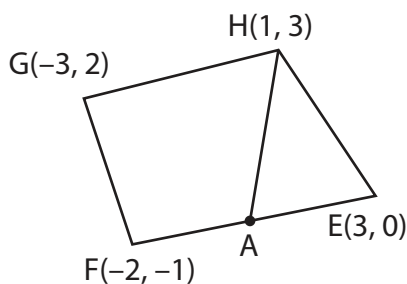
1 unit

- 4) Find the length of the median \overline{BD} .



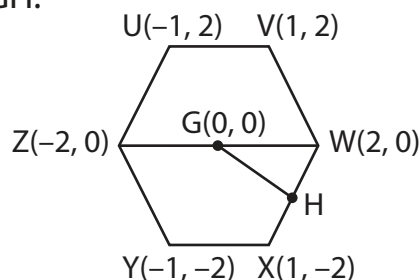
$\sqrt{13} \approx 3.6$ units

- 5) A is the midpoint of \overline{EF} . Find the length of \overline{HA} .



$\sqrt{12.5} \approx 3.5$ units

- 6) G and H are the midpoints of \overline{ZW} and \overline{WX} respectively. Find the length of \overline{GH} .



$\sqrt{3.25} \approx 1.8$ units