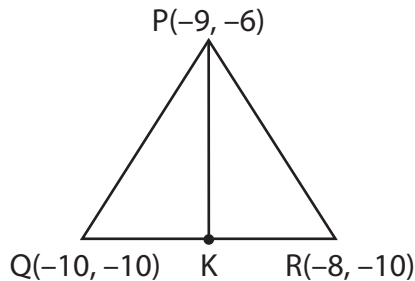


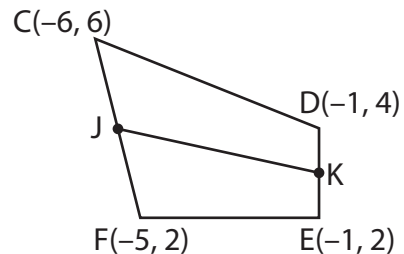
## Midpoint and Distance Formula

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

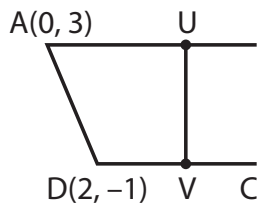
1) Find the length of the median  $\overline{PK}$ .



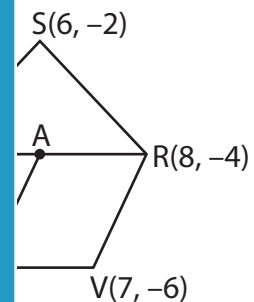
2) Find the length of  $\overline{JK}$  if J and K are midpoints of  $\overline{CF}$  and  $\overline{DE}$  respectively.



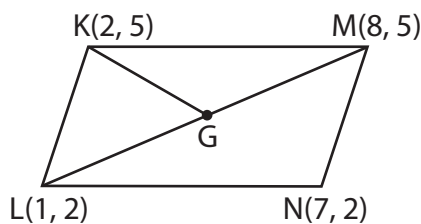
3) U and V are the midpoints of  $\overline{AC}$  and  $\overline{DC}$  respectively. Find the length of  $\overline{UV}$ .



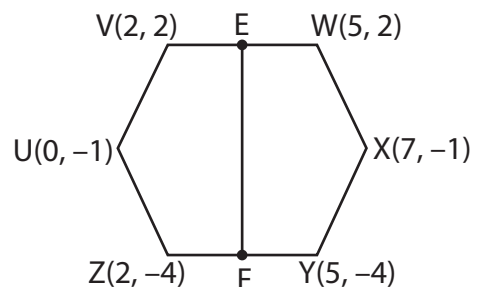
4) S is the midpoint of  $\overline{TR}$ . Find the length of  $\overline{VS}$ .



5) Find the length of  $\overline{LM}$  if G is the midpoint of  $\overline{LN}$ .



6) E and F are the midpoints of  $\overline{VW}$  and  $\overline{ZY}$  respectively. Find the length of  $\overline{EF}$ .



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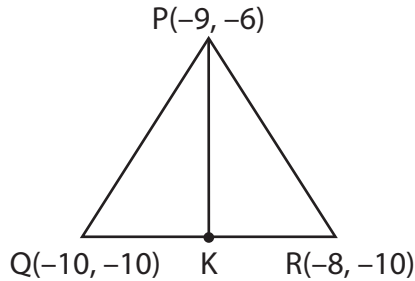
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**Midpoint and Distance Formula**

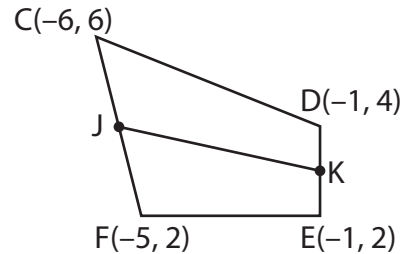
Solve each problem. Round the answer to the nearest tenth.

1) Find the length of the median  $\overline{PK}$ .



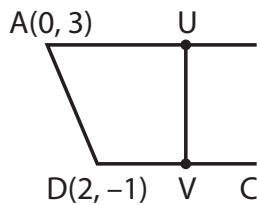
**4 units**

2) Find the length of  $\overline{JK}$  if J and K are midpoints of  $\overline{CF}$  and  $\overline{DE}$  respectively.



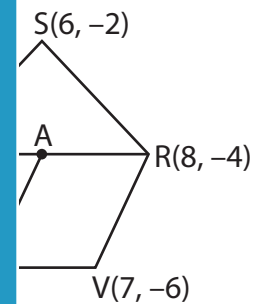
**≈ 4.6 units**

3) U and V are the midpoints of  $\overline{AC}$  and  $\overline{DC}$  respectively. Find the length of  $\overline{UV}$ .



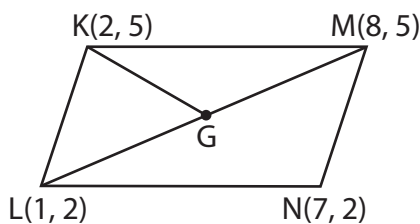
**4 units**

4) S is the midpoint of  $\overline{TR}$ . Find the length of  $\overline{VS}$ .



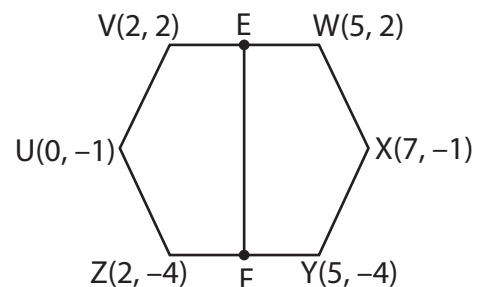
**2.2 units**

5) Find the length of  $\overline{LM}$  if L and M are midpoints of  $\overline{KJ}$  and  $\overline{KN}$  respectively. Find the length of  $\overline{EF}$ .



**$\sqrt{8.5} \approx 2.9$  units**

6) Find the length of  $\overline{EF}$  if E and F are midpoints of  $\overline{VW}$  and  $\overline{ZY}$  respectively. Find the length of  $\overline{EF}$ .



**6 units**

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