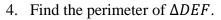


3. Find the length of \overline{PH} .



Use the graph to the right for problems 5-8.

- 5. Find the coordinates of Q, the midpoint of \overline{MN} .
- 6. Find the length of the median \overline{PQ} .
- 7. Find the coordinates of the centroid. Label this point as *T*.
- 8. Find the coordinates of *R*, the midpoint of \overline{MP} . Show that the quotient $\frac{NT}{NR} = \frac{2}{3}$.

Use the graph to the right for problems 9-11.

- 9. Find the coordinates of *M*.
- 10. Find the lengths of \overline{JP} and \overline{JM} using the Distance Formula.
- 11. Verify that $JP = \frac{2}{3}JM$.

