

Chapter 5 Review Answers

1. $\overleftrightarrow{GF}$
2. $\overleftrightarrow{BF}$
3. $\overleftrightarrow{BD}$
4. $\overleftrightarrow{BE}$
5. $BD = 11.5$, $DC = 11.5$
6. $ST = 13$, $SU = 7.5$, $UV = 2.5$, Perimeter of $\triangle RST = 46$
7. $QN = 10$
8. $GB = 5$
9. $BX = 16$, $FC = 18$, $BC = 30$, Perimeter of $\triangle ABC = 96$
10. There are 4 right angles at L, $\overline{KL} \cong \overline{ML}$, $\overline{EK} \cong \overline{EM}$, $\overline{FK} \cong \overline{FM}$
11. Vertices (Corners)
12. $QR = 39$
13. $X = 6$; $m\angle LMN = 138$
14. Incenter
15. Centroid
16. Orthocenter
17. Midsegment
18. $\overline{CB} \parallel \overline{DE}$ and $DE = 2CB$
19. $x = 5$
20. $X = 2$
21. $BF = 7$
22. $BF = 28$
23. $\angle B$, $\angle C$, $\angle A$; $\overline{AC}$, $\overline{AB}$, $\overline{BC}$
24. $\angle B$, $\angle A$, $\angle C$; $\overline{AC}$, $\overline{BC}$, $\overline{AB}$
25. A. $10 < x < 16$ B. $8 < x < 56$
26. B
27. $3 < x < 19$
28. $6 < x < 20$
29. B
30. $AB < AC$
31. $x > 13$
32. C