

5.1, 5.2, 5.3 Practice

- 5.1
- | | | |
|---------------|-------------------------------|---------------------|
| 1. 6 | 5. 54° | 9. $4=8$ |
| 2. 42° | 6. 16 | 10. \overline{EG} |
| 3. 48° | 7. E is on the Angle Bisector | 11. 70° |
| 4. 42° | 8. $x=2$ | 12. 4 |

- 5.2
- | | |
|----------|---------|
| 1. 13 | 5. a) 5 |
| 2. 6 | |
| 3. a) 2 | 6. 15 |
| b) 4 | |
| 4. a) 10 | 7. a) 8 |
| b) 8 | |

- 5.3
- | | | |
|---------|-------|--------------------------------------|
| 1. 14cm | 6. 6 | 10. median |
| 2. 16 | 7. 5 | 11. Angle Bisector |
| 3. 18 | 8. 4 | 12. Perp. Bisector, Median, Altitude |
| 4. 30 | 9. 26 | 13. Altitude |
| 5. 96 | | 14. All 4 segments |

Extra Practice

- | | | | |
|-------------------------|---------|----------------------|--|
| A a. 1. \overline{DF} | b. 1. 6 | B 1. \overline{EG} | C 1. $QT=14$ |
| 2. \overline{UX} | 2. C | 2. \overline{CD} | $QU=21$ |
| 3. \overline{VZ} | 3. a | 3. 70° | 2. \overline{NH} , \overline{HN} , & \overline{HP} |
| 4. \overline{EH} | 4. d | 4. 4 | b) 7 |