

## Answers to Triangle Sum, Exterior Angle, and Midsegment Theorems

1)  $50^\circ$

2)  $35^\circ$

3)  $30^\circ$

4)  $47^\circ$

5)  $88^\circ$

6)  $133^\circ$

7) 11

8) 20

9) 8

10) -8