

## Lesson 10

### Problem Set

1.  $45^\circ$ ;  $45^\circ$
2.  $20^\circ$ ,  $70^\circ$ ,  $90^\circ$ ;  $70^\circ$
3.  $110^\circ$ ;  $110^\circ$
4.  $83^\circ$ ,  $97^\circ$ ,  $180^\circ$ ;  $97^\circ$
5. Equations will vary;  $54^\circ$
6. Equations will vary;  $12^\circ$
7. Equations will vary;  $63^\circ$
8. a. – d. Figure accurately constructed.  
e. Answers will vary.  
f. Equations will vary.

### Exit Ticket

Equations will vary;  $60^\circ$

### Homework

1.  $55^\circ$ ;  $55^\circ$
2.  $62^\circ + 28^\circ = 90^\circ$ ;  $28^\circ$
3.  $35^\circ$ ;  $35^\circ$
4.  $16^\circ$ ,  $164^\circ$ ,  $180^\circ$ ;  $164^\circ$
5. Equations will vary;  $75^\circ$
6. Equations will vary;  $35^\circ$
7. Equations will vary;  $16^\circ$
8. a. – d. Figure accurately constructed.  
e. Answers will vary.  
f. Equations will vary.