

## VI. Answer Key

1.  $a \approx 80.34$
2.  $c \approx 21.42$
3.  $f \approx 28.40$
4.  $a \approx 16.47$
5.  $c \approx 68.43$
6.  $d \approx 17$  in
7.  $FB \approx 26$  cm
8.  $m\angle A \approx 79.2^\circ$
9.  $m\angle B \approx 28.3^\circ$
10.  $m\angle E \approx 39.1^\circ$
11.  $m\angle B \approx 57.1^\circ$
12.  $m\angle F \approx 71.8^\circ$
13.  $m\angle P \approx 86.4^\circ$
14.  $128^\circ$
15.  $m\angle B \approx 96.9^\circ$
16.  $e \approx 18.77$
17.  $m\angle K \approx 22.2^\circ$
18.  $z \approx 56.19$
19.  $e \approx 17.63$
20.  $b \approx 28.83$
21.  $m\angle K \approx 43.76^\circ$
22.  $79^\circ$
23. 2.2 miles
24.  $23^\circ$
25.  $m\angle B \approx 55^\circ$