

## Geometry Worksheet 11.1c Solutions

1.  $F$
2.  $\angle AFE$  or  $\angle EFA$ ,  $72^\circ$
3.  $AF$  or  $EF$
4.  $GF$
5.  $36^\circ$
6.  $20^\circ$
7.  $15^\circ$
8.  $36\sqrt{3} \text{ units}^2 \approx 62.35 \text{ units}^2$
9.  $\approx 289.22 \text{ units}^2$
10.  $\approx 841.78 \text{ units}^2$
11. Answers vary;  $\approx 583.70 \text{ units}^2$
12.  $P \approx 122.46 \text{ units}$ ;  $A \approx 1131.37 \text{ units}^2$
13.  $\approx 79.60 \text{ units}^2$
14.
  - a.  $4\sqrt{3} \text{ in} \approx 6.93 \text{ in}$
  - b.  $P = 48 \text{ in}$ ;  $A \approx 166 \text{ in}^2$