

# TRIG-STAR ANSWER KEY LOCAL CONTEST

PAGE 1

$$\sphericalangle CBA = \boxed{57^{\circ}57'46''}$$

$$\text{DISTANCE AC} = \boxed{415.79}$$

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$$\sphericalangle EGF = \boxed{16^{\circ}55'12''}$$

$$\text{DISTANCE EH} = \boxed{238.62}$$

$$\text{DISTANCE FH} = \boxed{213.05}$$

$$\text{DISTANCE FG} = \boxed{732.04}$$

$$\text{DISTANCE GH} = \boxed{700.35}$$

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PAGE 2

$$\text{DISTANCE AB} = \boxed{478.25}$$

$$\text{DISTANCE AD} = \boxed{760.82}$$

$$\text{DISTANCE AC} = \boxed{864.79}$$

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PAGE 3

$$\text{DISTANCE AC} = \boxed{340.30}$$

$$\text{DISTANCE AD} = \boxed{363.97}$$

$$\text{DISTANCE DC} = \boxed{577.02}$$

$$\text{DISTANCE BC} = \boxed{327.27}$$

$$\text{DISTANCE AB} = \boxed{370.00}$$