



Math Olympiad and Problem Solving Programs

E130 - Honors Geometry Problem Solving

Problem Set 29.2 - Trigonometry

Name:

Date:

---

1. (a)  $\boxed{87.5}$       (b)  $\boxed{12.9}$       (c)  $\boxed{18.1}$
2. (a)  $\boxed{16.8}$       (b)  $\boxed{8.95}$       (c)  $\boxed{8.90}$
3. (a)  $\boxed{9.66}$       (b)  $\boxed{9.62}$       (c)  $\boxed{16.6^\circ}$   
(d)  $\boxed{145.4^\circ}$       (e)  $\boxed{11.0}$
4. (a)  $\boxed{145.52}$       (b)  $\boxed{5.352}$   
(c)  $\boxed{0.3715}$       (d)  $\boxed{14.86}$
5. (a)  $\boxed{\frac{1}{6}}$   
(b)  $\boxed{\frac{8}{11}}$