



Math Olympiad and Problem Solving Programs
E230 - Advanced Math Competitions
Problem Set 26.2 - Quadrilaterals

Name:

Date:

1. $x = 50^\circ, y = 5$
2. $x = 30^\circ, y = 100^\circ$
3. $x = 15^\circ, y = 30^\circ$
4. $x = 35^\circ, y = 55^\circ$
5. $x = 25^\circ, y = 45^\circ$
6. $x = 23^\circ, y = 18$
7. $x = 52.5^\circ, y = 37.5^\circ$
8. $x = 30^\circ, y = 120^\circ$
9. $x = 67.5^\circ, y = 22.5^\circ$
10. Trick question! If $ABCD$ is a square, and $BG = HG$, then $HG = GC$. $x = 0^\circ, y = 90^\circ$