Properties of Parallel Lines Cut by a Transversal
Total points = 40

1. a. $m\angle 1 = 102$ ✓   e. $m\angle 5 = 102$ ✓
    b. $m\angle 2 = 78$ ✓   f. $m\angle 6 = 78$ ✓
    c. $m\angle 3 = 102$ ✓   g. $m\angle 7 = 102$ ✓
    d. $m\angle 4 = 78$ ✓   h. $m\angle 8 = 78$ ✓

2. a. $m\angle 1 = 87$ ✓   e. $m\angle 5 = 87$ ✓
    b. $m\angle 2 = 93$ ✓   f. $m\angle 6 = 93$ ✓
    c. $m\angle 3 = 87$ ✓   g. $m\angle 7 = 87$ ✓
    d. $m\angle 4 = 93$ ✓   h. $m\angle 8 = 93$ ✓

3. a. $m\angle 1 = 135$ ✓   e. $m\angle 5 = 135$ ✓
    b. $m\angle 2 = 45$ ✓   f. $m\angle 6 = 45$ ✓
    c. $m\angle 3 = 135$ ✓   g. $m\angle 7 = 135$ ✓
    d. $m\angle 4 = 45$ ✓   h. $m\angle 8 = 45$ ✓

4. a. $m\angle 1 = 24$ ✓   e. $m\angle 5 = 24$ ✓
    b. $m\angle 2 = 156$ ✓   f. $m\angle 6 = 156$ ✓
    c. $m\angle 3 = 24$ ✓   g. $m\angle 7 = 24$ ✓
    d. $m\angle 4 = 156$ ✓   h. $m\angle 8 = 156$ ✓

5. a. $m\angle 1 = 18$ ✓   e. $m\angle 5 = 18$ ✓
    b. $m\angle 2 = 162$ ✓   f. $m\angle 6 = 162$ ✓
    c. $m\angle 3 = 18$ ✓   g. $m\angle 7 = 18$ ✓
    d. $m\angle 4 = 162$ ✓   h. $m\angle 8 = 162$ ✓