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

- b.  $m \angle 2 = 78 \checkmark$ c.  $m \angle 3 = 102 \checkmark$ d.  $m \angle 4 = 78 \checkmark$
- 1. a.  $m \angle 1 = 102 \checkmark$ g.  $m \angle 7 = 102 \checkmark$ h.  $m \angle 8 = 78 \checkmark$
- 2. a.  $m \angle 1 = 87 \checkmark$ b.  $m \angle 2 = 93 \checkmark$ 
  - c.  $m \angle 3 = 87 \checkmark$
  - d. *m*∠4 = 93 ✓
- 3. a.  $m \angle 1 = 135 \checkmark$ b.  $m \angle 2 = 45 \checkmark$ c.  $m \angle 3 = 135 \checkmark$ d.  $m \angle 4 = 45 \checkmark$
- a. *m*∠1 = 24 **√** b.  $m \angle 2 = 156 \checkmark$ c. *m*∠3 = 24 ✓ d. *m*∠4 = 156 ✓
- 5. a.  $m \angle 1 = 18 \checkmark$ d. *m*∠4 = 162 ✓

- e. *m*∠5 = 102 **√** f. *m*∠6 = 78 ✓
- e. *m*∠5 = 87 ✓ f.  $m \angle 6 = 93 \checkmark$
- g. *m*∠7 = 87 ✓
- h. *m*∠8 = 93 **√**
- e. *m*∠5 = 135 ✓
- f.  $m \angle 6 = 45 \checkmark$ g. *m*∠7 = 135 ✓
- h. *m*∠8 = 45 ✓
- e.  $m \angle 5 = 24 \checkmark$
- f.  $m \angle 6 = 156 \checkmark$ g. *m*∠7 = 24 ✓
- h. *m*∠8 = 156 ✓
- e.  $m \angle 5 = 18 \checkmark$ f.  $m \angle 6 = 162 \checkmark$ b.  $m \angle 2 = 162 \checkmark$ g. *m*∠7 = 18 ✓ h. *m*∠8 = 162 ✓ c.  $m \angle 3 = 18 \checkmark$

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

- e. *m*∠5 = 102 **√** 1. a. *m*∠1 = 102 ✓ f. *m*∠6 = 78 ✓ b.  $m \angle 2 = 78 \checkmark$ c. *m*∠3 = 102 ✓ g.  $m \angle 7 = 102 \checkmark$ d.  $m \angle 4 = 78 \checkmark$ h.  $m \angle 8 = 78 \checkmark$
- 2. a.  $m \angle 1 = 87 \checkmark$ e.  $m \angle 5 = 87 \checkmark$ b.  $m \angle 2 = 93 \checkmark$ f.  $m \angle 6 = 93 \checkmark$ c. *m*∠3 = 87 ✓ g. *m*∠7 = 87 ✓ d. *m*∠4 = 93 ✓ h. *m*∠8 = 93 **√**
- 3. a.  $m \angle 1 = 135 \checkmark$ e. *m*∠5 = 135 ✓ b.  $m \angle 2 = 45 \checkmark$ f.  $m \angle 6 = 45 \checkmark$ c. *m*∠3 = 135 ✓ g.  $m \angle 7 = 135 \checkmark$ d. *m*∠4 = 45 ✓ h.  $m \angle 8 = 45 \checkmark$
- e.  $m \angle 5 = 24 \checkmark$ 4. a.  $m \angle 1 = 24 \checkmark$ b. *m*∠2 = 156 ✓ f.  $m \angle 6 = 156 \checkmark$ g. *m*∠7 = 24 ✓ c.  $m \angle 3 = 24 \checkmark$ d. *m*∠4 = 156 ✓ h. *m*∠8 = 156 ✓
- 5. a.  $m \angle 1 = 18 \checkmark$ e. *m*∠5 = 18 **√** b.  $m \angle 2 = 162 \checkmark$ f.  $m \angle 6 = 162 \checkmark$ c. *m*∠3 = 18 ✓ g. *m*∠7 = 18 ✓ d. *m*∠4 = 162 ✓ h.  $m \angle 8 = 162 \checkmark$

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

e.  $m \angle 5 = 102 \checkmark$ 

- 1. a.  $m \angle 1 = 102 \checkmark$ b.  $m \angle 2 = 78 \checkmark$ c.  $m \angle 3 = 102 \checkmark$ 
  - f.  $m \angle 6 = 78 \checkmark$ g.  $m \angle 7 = 102 \checkmark$ h. *m*∠8 = 78 ✓ d.  $m \angle 4 = 78 \checkmark$
- 2. a. *m*∠1 = 87 ✓ e. *m*∠5 = 87 ✓ f. *m*∠6 = 93 ✓ b.  $m \angle 2 = 93 \checkmark$ g.  $m \angle 7 = 87 \checkmark$ h.  $m \angle 8 = 93 \checkmark$ c.  $m \angle 3 = 87 \checkmark$ d.  $m \angle 4 = 93$
- e. *m*∠5 = 135 **√** 3. a.  $m \angle 1 = 135 \checkmark$ b.  $m \angle 2 = 45 \checkmark$ f.  $m \angle 6 = 45 \checkmark$ c. *m*∠3 = 135 ✓ g. *m*∠7 = 135 ✓ d.  $m \angle 4 = 45 \checkmark$ h.  $m \angle 8 = 45 \checkmark$
- e.  $m \angle 5 = 24 \checkmark$ f.  $m \angle 6 = 156 \checkmark$ 4. a.  $m \angle 1 = 24 \checkmark$ b. *m*∠2 = 156 ✓ g. *m*∠7 = 24 ✓ c.  $m \angle 3 = 24 \checkmark$ d. *m*∠4 = 156 ✓ h. *m*∠8 = 156 ✓
- a. *m*∠1 = 18 **√** e. *m*∠5 = 18 **√** f. *m*∠6 = 162 ✓ b.  $m \angle 2 = 162 \checkmark$ g. *m*∠7 = 18 **√** h. *m*∠8 = 162 **√** c.  $m \angle 3 = 18 \checkmark$ d. *m*∠4 = 162 ✓

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

g.  $m \angle 7 = 135 \checkmark$ 

- 1. a. *m*∠1 = 102 ✓ e.  $m \angle 5 = 102 \checkmark$ b.  $m \angle 2 = 78 \checkmark$ f.  $m \angle 6 = 78 \checkmark$ g.  $m \angle 7 = 102 \checkmark$ c.  $m \angle 3 = 102 \checkmark$ d. *m*∠4 = 78 ✓ h.  $m \angle 8 = 78 \checkmark$
- e. *m*∠5 = 87 ✓ 2. a.  $m \angle 1 = 87 \checkmark$ b.  $m \angle 2 = 93 \checkmark$ f.  $m \angle 6 = 93 \checkmark$ c.  $m \angle 3 = 87 \checkmark$ g.  $m \angle 7 = 87 \checkmark$ d.  $m \angle 4 = 93 \checkmark$ h.  $m \angle 8 = 93 \checkmark$ 3. a. *m*∠1 = 135 **√** e. *m*∠5 = 135 **√** b.  $m \angle 2 = 45 \checkmark$ f.  $m \angle 6 = 45 \checkmark$
- d.  $m \angle 4 = 45 \checkmark$ h. *m*∠8 = 45 ✓ e. *m*∠5 = 24 ✓ 4. a.  $m \angle 1 = 24 \checkmark$ b. *m*∠2 = 156 ✓ f.  $m \angle 6 = 156 \checkmark$ g. *m*∠7 = 24 ✓ c.  $m \angle 3 = 24 \checkmark$ d. *m*∠4 = 156 ✓ h. *m*∠8 = 156 **√**

c. *m*∠3 = 135 ✓

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