

## Lesson 4

### Problem Set

1. Parallel lines accurately traced
2. Answers will vary.
3. Parallel segments accurately drawn
4.
  - a. Sides accurately identified and marked with arrows;  $\overline{AC} \parallel \overline{BD}$
  - b. Circled; sides accurately identified and marked with arrows;  $\overline{HI} \parallel \overline{JK}$
  - c. No parallel sides
  - d. No parallel sides
  - e. Circled; sides accurately identified and marked with arrows;  $\overline{ZA} \parallel \overline{FW}$ ;  $\overline{ZF} \parallel \overline{AW}$
  - f. No parallel sides
  - g. Circled; sides accurately identified and marked with arrows;  $\overline{TO} \parallel \overline{RQ}$ ;  $\overline{ST} \parallel \overline{QP}$ ;  $\overline{RS} \parallel \overline{OP}$
  - h. Circled; sides accurately identified and marked with arrows;  $\overline{YX} \parallel \overline{VW}$
5. True; explanations will vary.
6. Explanations will vary.
7. Parallel lines constructed

### Exit Ticket

1. Parallel
2. Perpendicular
3. Intersecting
4. Intersecting

**Homework**

1. Parallel lines accurately traced
2. Answers will vary.
3. Parallel segments accurately drawn
4.
  - a. Sides accurately identified and marked with arrows;  $\overline{AB} \parallel \overline{CD}$
  - b. Circled; sides accurately identified and marked with arrows;  $\overline{HI} \parallel \overline{JK}$
  - c. No parallel sides
  - d. No parallel sides
  - e. No parallel sides
  - f. Circled; sides accurately identified and marked with arrows;  $\overline{OP} \parallel \overline{MN}$ ;  $\overline{ON} \parallel \overline{PM}$
  - g. Circled; sides accurately identified and marked with arrows;  $\overline{TU} \parallel \overline{RQ}$ ;  $\overline{ST} \parallel \overline{QP}$ ;  $\overline{SR} \parallel \overline{UP}$
  - h. Circled; sides accurately identified and marked with arrows;  $\overline{TZ} \parallel \overline{XY}$ ;  $\overline{TU} \parallel \overline{ZY}$ ;  $\overline{WX} \parallel \overline{ZY}$
5. False; explanations will vary.
6. Explanations will vary.
7. Parallel lines constructed