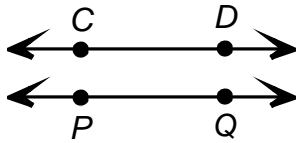# Geometric Figures
Skill 4 - 19I

Classify Lines

Answer to test question 19I: The parallel lines are (a). The intersecting lines are (b). The perpendicular lines are (a).
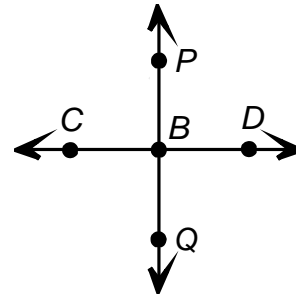
Parallel lines – Lines that stay the same distance apart.

Read – line CD is parallel to line PQ.

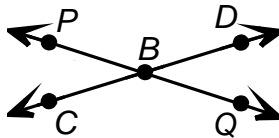**Write** – $\overleftrightarrow{CD} \parallel \overleftrightarrow{PQ}$

Intersecting lines – Lines that meet or cross each other. They meet at exactly one point.

Read – line CD intersects line PQ.

Write – Line $\overleftrightarrow{CD}$ intersects line $\overleftrightarrow{PQ}$

Perpendicular lines – Intersecting lines that form four right angles.

Read – Line *CD* is perpendicular to line *PQ*.

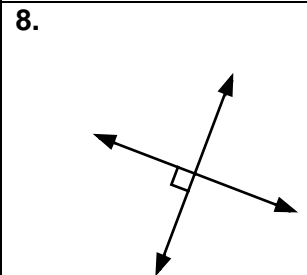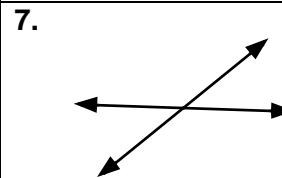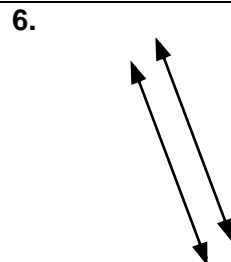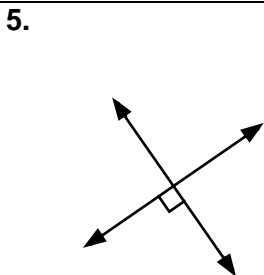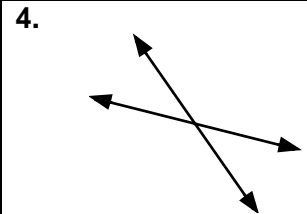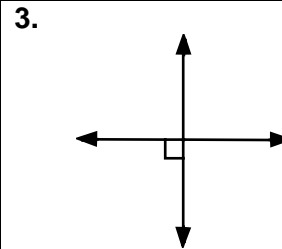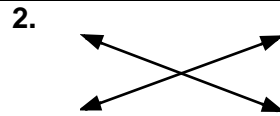**Write** – $\overleftrightarrow{CD} \perp \overleftrightarrow{PQ}$

Directions: Write parallel, intersecting or perpendicular in each box.

1.	2.	3.	4.
5.	6.	7.	8.
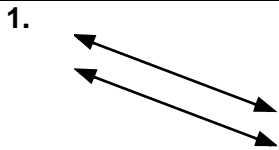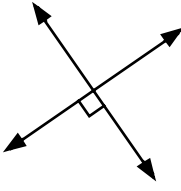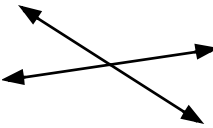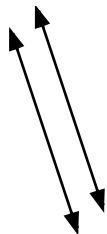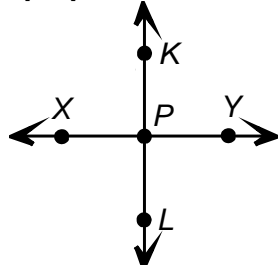
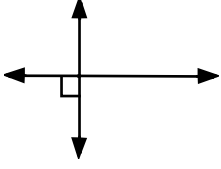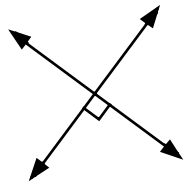# Geometric Figures
Skill 4 - 19I

Classify Lines

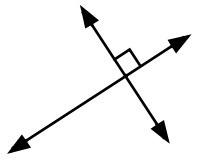**Directions:** Write parallel, intersecting or perpendicular in each box.

9.	10.	11.	12.

13.	14.	15.	16.

Directions: Draw, label and name each. The first one is completed as an example. Review top of page 1 to see how to do this.

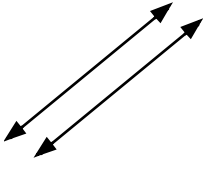| 17. perpendicular lines	18. parallel lines
$\overleftrightarrow{XY} \perp \overleftrightarrow{KL}$	

19. perpendicular lines	20. intersecting lines

21. intersecting lines	22. parallel lines

Answers: Skill 19I Grade 4

1. parallel   2. intersecting   3. perpendicular   4. intersecting

5. perpendicular   6. parallel   7. intersecting   8. perpendicular

9. perpendicular   10. perpendicular   11. intersecting   12. perpendicular

13. perpendicular   14. parallel   15. intersecting   16. parallel

17. $\overleftrightarrow{XY} \perp \overleftrightarrow{KL}$ 18. $\overleftrightarrow{YY} \parallel \overleftrightarrow{YY}$ 19. $\overleftrightarrow{YY} \perp \overleftrightarrow{YY}$ 20. Line $\overleftrightarrow{YY}$ intersects line $\overleftrightarrow{YY}$

21. Line $\overleftrightarrow{YY}$ intersects line $\overleftrightarrow{YY}$ 22. $\overleftrightarrow{YY} \parallel \overleftrightarrow{YY}$