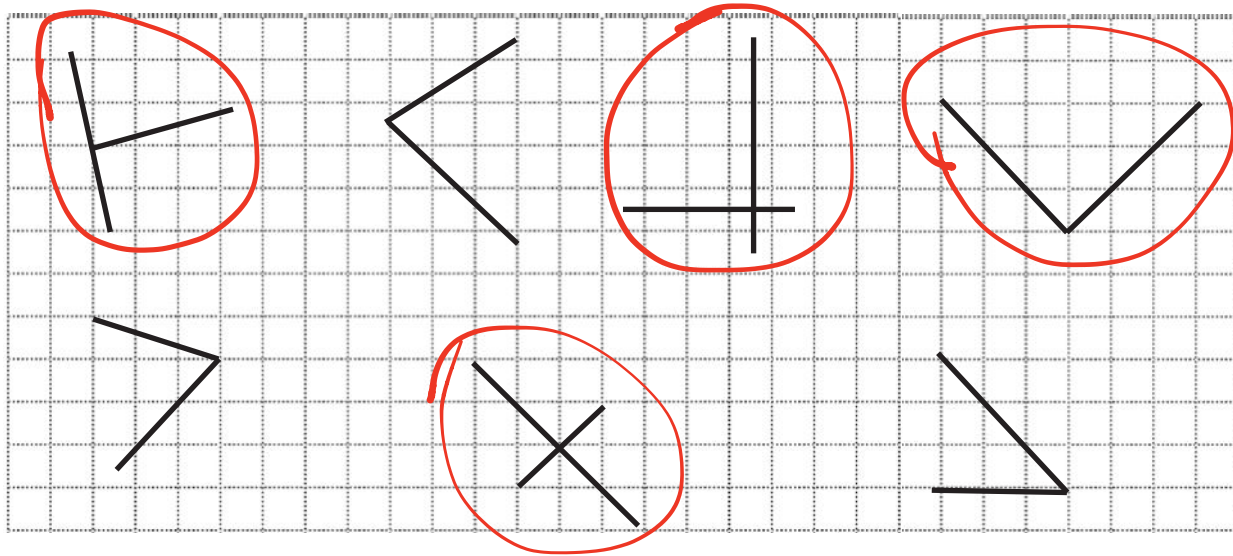


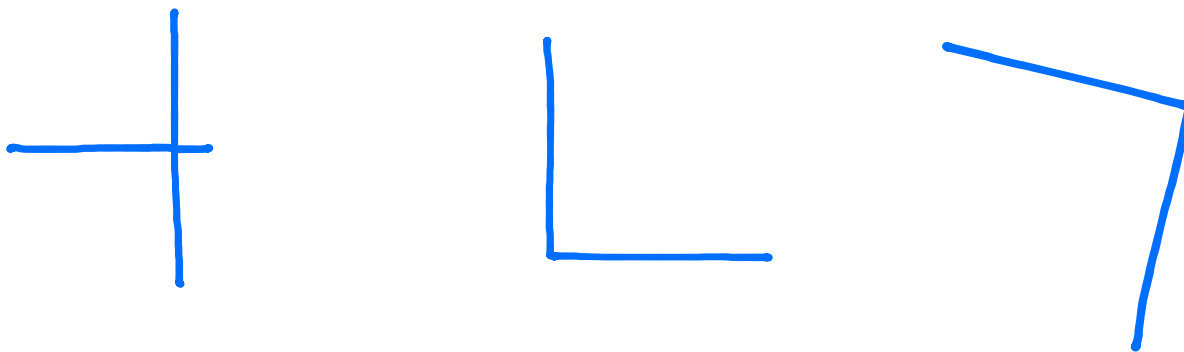
Name \_\_\_\_\_

Date \_\_\_\_\_

1. Circle the pairs of segments that are perpendicular.



2. In the space below, use your right triangle templates to draw at least 3 different sets of perpendicular lines.



3. Draw a segment perpendicular to each given segment. Show your thinking by sketching triangles as needed.

a. A black segment is drawn on a grid. A blue segment is drawn perpendicular to it, with a right-angle symbol at their intersection.

b. A black segment is drawn on a grid. A purple segment is drawn perpendicular to it, with a right-angle symbol at their intersection.

c. A black segment is drawn on a grid. A green segment is drawn perpendicular to it, with a right-angle symbol at their intersection.

d. A black segment is drawn on a grid. A blue segment is drawn perpendicular to it, with a right-angle symbol at their intersection.

4. Draw 2 different lines perpendicular to line *b*.

A line labeled *b* is drawn on a grid. Two lines are drawn perpendicular to line *b*: one blue line and one purple line. Right-angle symbols are shown at the intersection points.