Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A

Round Table – Perpendicular Bisectors

Complete only one step of each of the problems before rotating the paper. When receiving a paper from a classmate, check the previous step before beginning the next step.

Task 1: Write an equation for the line that perpendicularly bisects the segment between (7, -4) and (3, -2).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Task 2: Write an equation for the line that perpendicularly bisects the segment between (2, -5) and (10, 1).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ B

Round Table – Perpendicular Bisectors

Complete only one step of each of the problems before rotating the paper. When receiving a paper from a classmate, check the previous step before beginning the next step.

Task 1: Write an equation for the line that perpendicularly bisects the segment between (-4, 6) and (8, -2).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Task 2: Write an equation for the line that perpendicularly bisects the segment between (-9, -4) and (3, 0).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ C

Round Table – Perpendicular Bisectors

Complete only one step of each of the problems before rotating the paper. When receiving a paper from a classmate, check the previous step before beginning the next step.

Task 1: Write an equation for the line that perpendicularly bisects the segment between (2, -9) and (-10, 7).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Task 2: Write an equation for the line that perpendicularly bisects the segment between (7, -4) and (13, 6).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D

Round Table – Perpendicular Bisectors

Complete only one step of each of the problems before rotating the paper. When receiving a paper from a classmate, check the previous step before beginning the next step.

Task 1: Write an equation for the line that perpendicularly bisects the segment between (-5, 5) and (3, -3).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Task 2: Write an equation for the line that perpendicularly bisects the segment between (-7, 8) and (-11, 2).

Step 1 – Find the slope of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2 – Find the slope of the perpendicular line.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 3 – Find the midpoint of the given line segment.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_

Step 4 – Write the equation of the line with the slope from Step 2 going through the point from Step 3.

Check \_\_\_\_\_\_\_\_\_\_\_\_\_