Please write and solve your own here.
Please state the equation of the line that is perpendicular to CB and passes through A. You must show all formula substitutions and steps!

Please write and solve one of your own below. You must show all formula substitutions and steps!
Find the midpoint of (-3, 5) and (-2, 1) and two of your own.
\[
\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right) = \text{midpoint}
\]

Find the slope between (16, -2) and (1, -3) and two of your own.
\[
\frac{y_2 - y_1}{x_2 - x_1} = \text{slope}
\]

Find the length of the segment from (12, -5) to (6, -7) and two of your own.
\[
d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}
\]
Answer each and then add one of your own with the solution.

356 Quadrilateral $MATH$ and its image $M'A'T'H'$ are graphed on the set of axes below.

Describe a sequence of transformations that maps quadrilateral $MATH$ onto quadrilateral $M'A'T'H'$.

357 Quadrilaterals $BIKE$ and $GOLF$ are graphed on the set of axes below.

Describe a sequence of transformations that maps quadrilateral $BIKE$ onto quadrilateral $GOLF$.

358 Trapezoids $ABCD$ and $A'B'C'D'$ are graphed on the set of axes below.

Describe a sequence of transformations that maps trapezoid $ABCD$ onto trapezoid $A'B'C'D'$.