
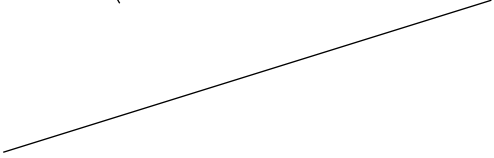
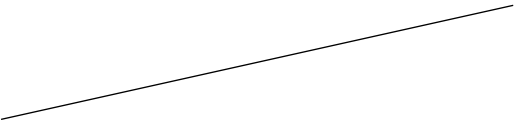
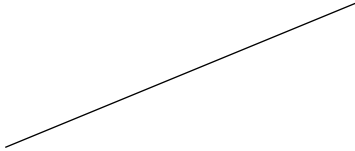
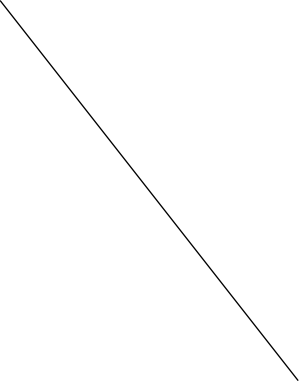
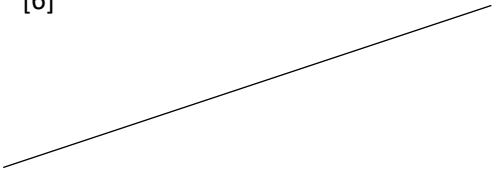
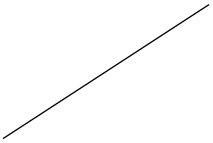
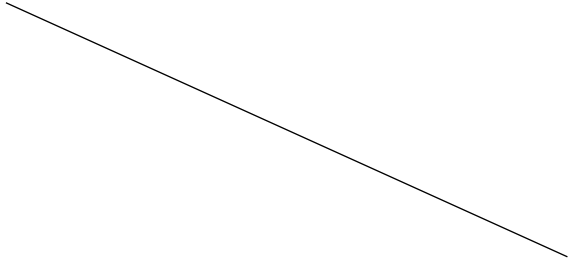


**Perpendicular Bisectors: Bisecting at a point away from a line segment**    *Date:*    *Name:*

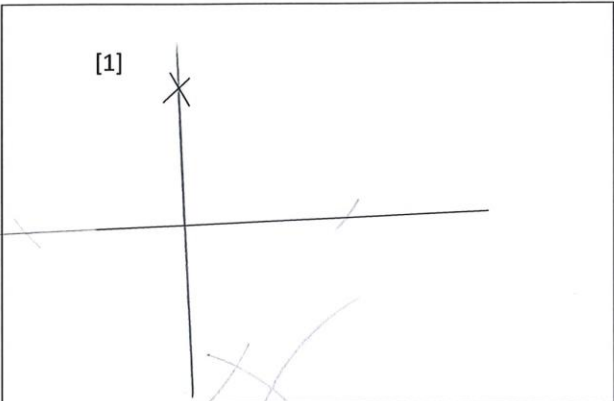
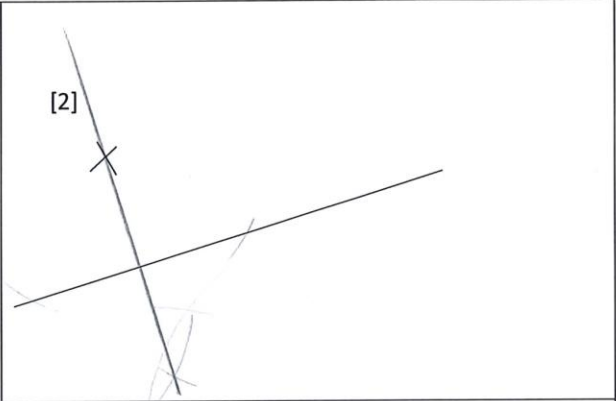
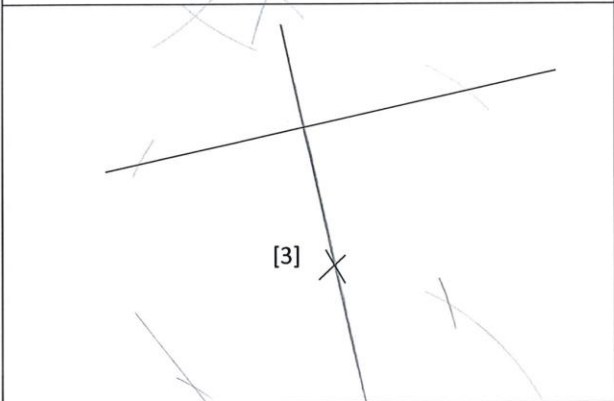
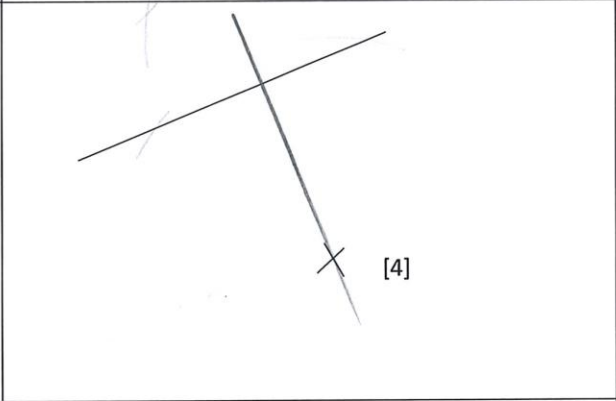
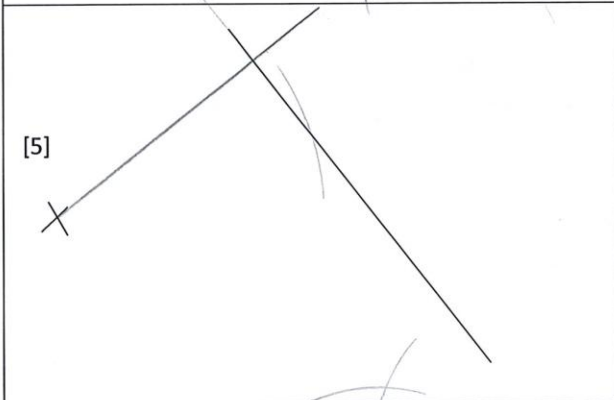
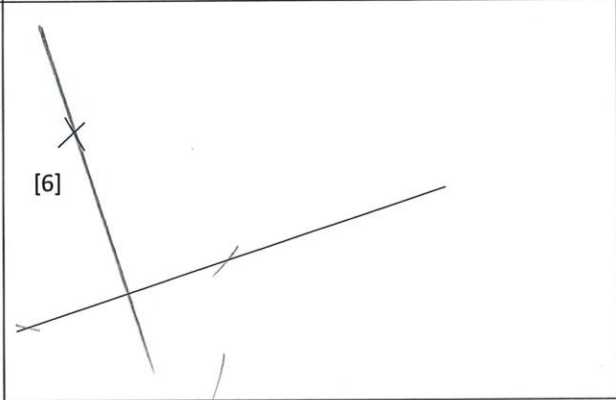
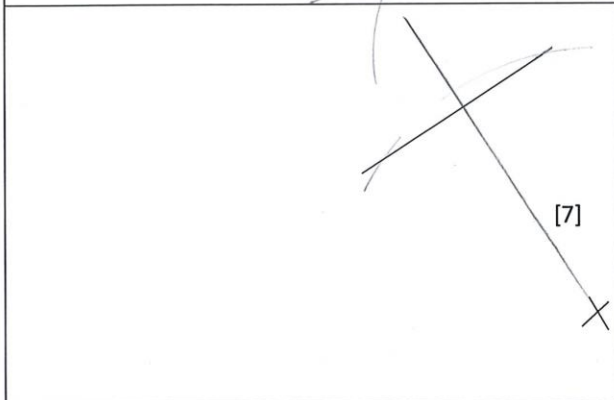
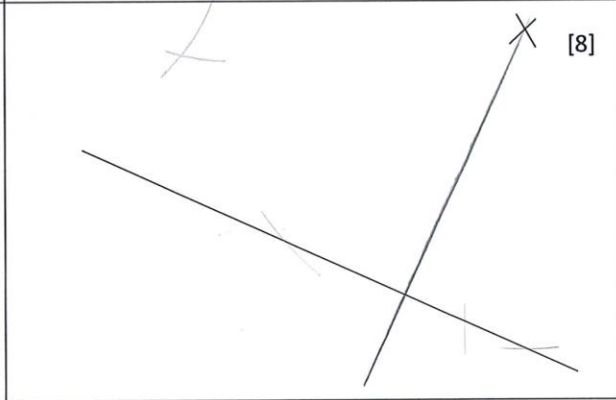
Use a compass and a straight edge to construct a perpendicular bisector for each line segment below which creates a perpendicular bisector from the given point away from (external to) the line segment. **Show all construction lines.**

<p>[1] ✕</p> 	<p>[2] ✕</p> 
 <p>[3] ✕</p>	 <p>[4] ✕</p>
<p>[5] ✕</p> 	<p>[6] ✕</p> 
 <p>[7] ✕</p>	 <p>[8] ✕</p>

# SOLUTIONS

**Perpendicular Bisectors: Bisecting at a point away from a line segment** Date: Name:

Use a compass and a straight edge to construct a perpendicular bisector for each line segment below which creates a perpendicular bisector from the given point away from (external to) the line segment. Show all construction lines.

<p>[1]</p>  <p>A horizontal line segment is shown. A point is marked with an 'X' above it. A vertical line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>	<p>[2]</p>  <p>A line segment is shown. A point is marked with an 'X' above it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>
<p>[3]</p>  <p>A line segment is shown. A point is marked with an 'X' below it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>	<p>[4]</p>  <p>A line segment is shown. A point is marked with an 'X' below it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>
<p>[5]</p>  <p>A line segment is shown. A point is marked with an 'X' to the left of the segment. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>	<p>[6]</p>  <p>A line segment is shown. A point is marked with an 'X' above it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>
<p>[7]</p>  <p>A line segment is shown. A point is marked with an 'X' below it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>	<p>[8]</p>  <p>A line segment is shown. A point is marked with an 'X' above it. A line is drawn through the point, perpendicular to the segment. Construction arcs are visible on both sides of the segment.</p>