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| **Term** | **Diagram** | **Symbolic Notation** | **Definition** |
| Point |  | Point *A* | * Names a location and has no size.
* Often represented by a dot.
* The intersection of two lines.
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| Line |  | or Line *k* | * A straight path that has no thickness and extends forever.
* The intersection of two planes.
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| Plane |  | Plane *Q*Plane *EDF* | * A flat surface that has no thickness and extends forever.
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| Line Segment |  |  or  | * Part of a line consisting of two points and all points between them.
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| Endpoint |  | Point *P* | * A point at one end of a segment, or the starting point of a ray.
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| Ray |  | or  | * A part of a line that starts at an endpoint and extends forever in one direction.
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| Parallel Lines |  |  | * Lines in the same plane that do not intersect.
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| Perpendicular Lines |  |  | * Lines that intersect at right angles (90 degrees).
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