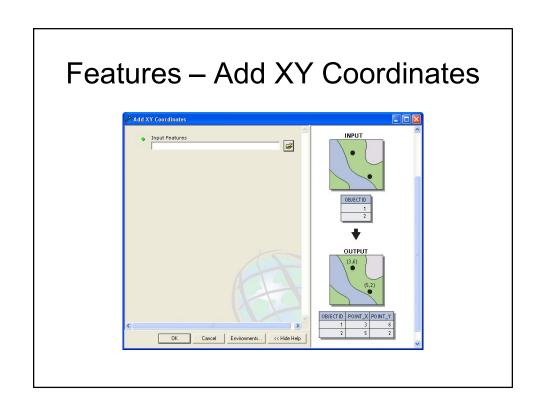
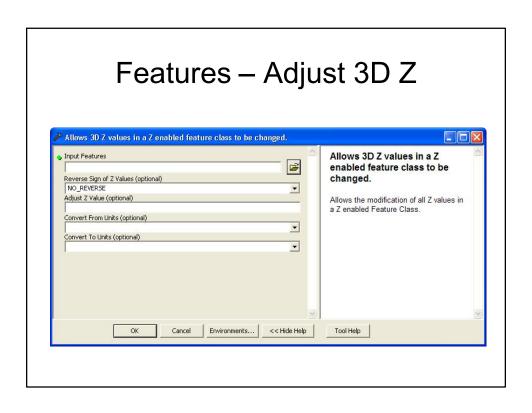
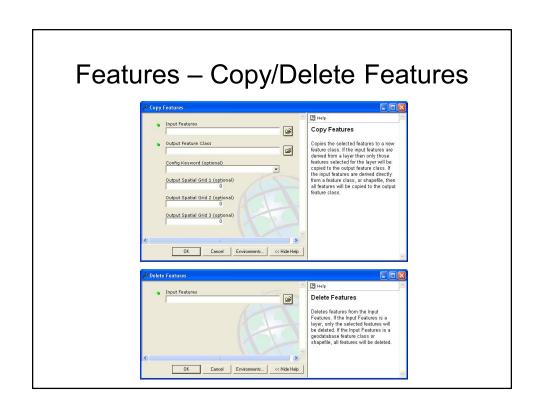
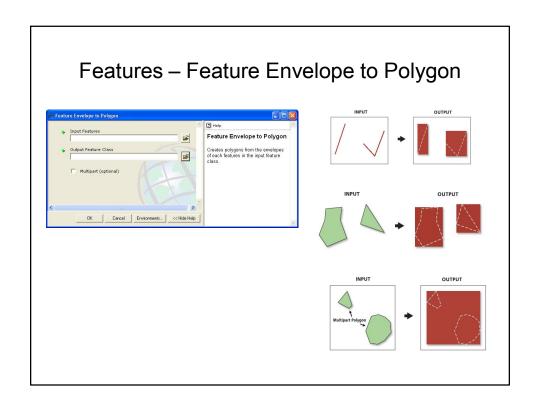
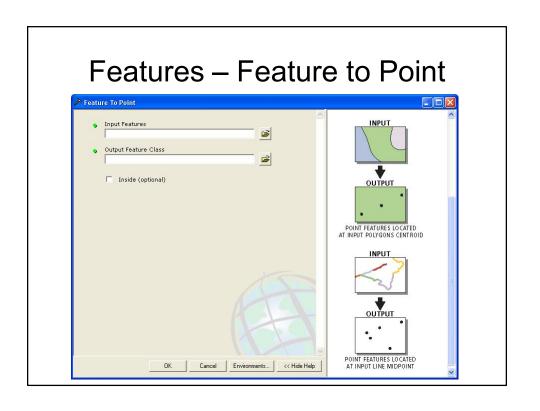
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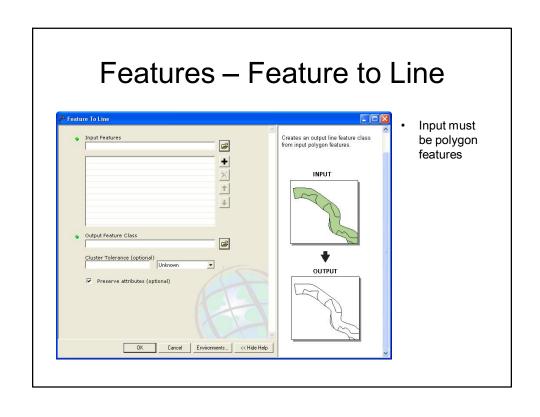


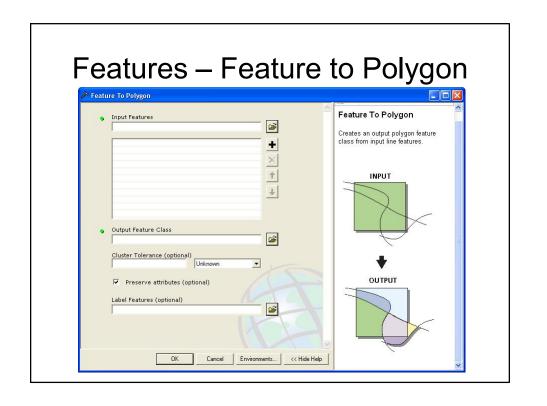


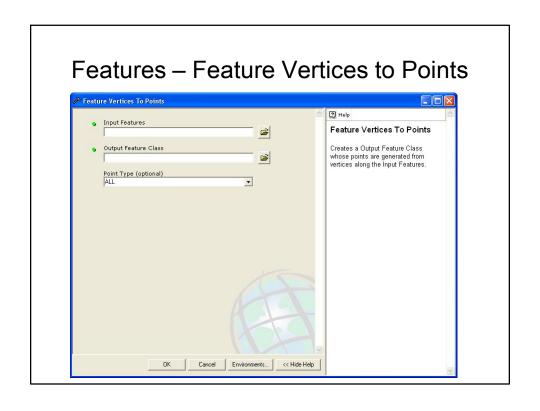


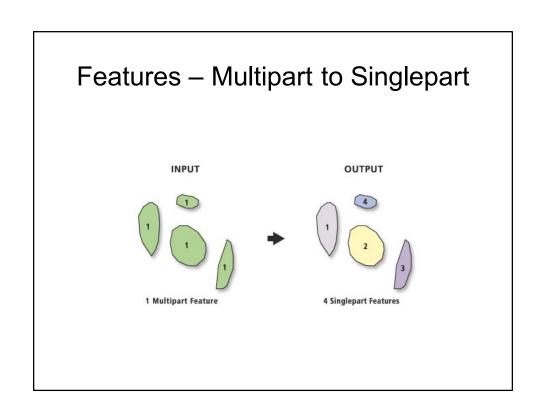


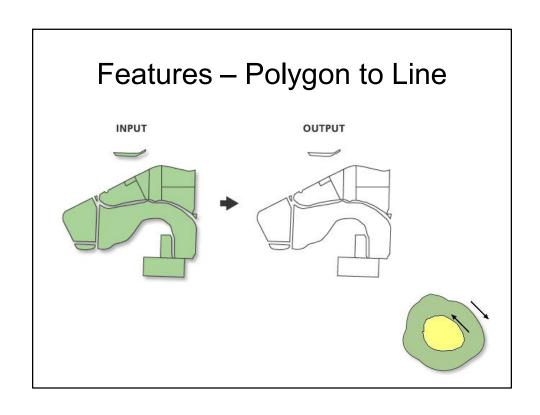


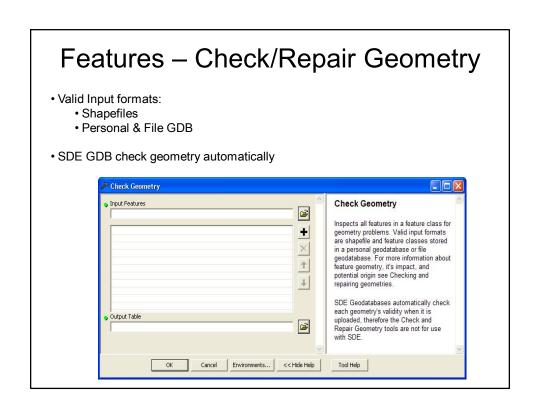












## **Geometry Problems**

- Short segment: Segments are shorter than allowed by the system units of the spatial reference.
- Null geometry: The feature has no geometry or nothing in the SHAPE field.
- Incorrect ring ordering: The polygon's rings may not be oriented correctly (outer rings - clockwise, inner rings - counterclockwise).
- Incorrect segment orientation: Segments are not consistently oriented. The "to" point of seg i should be incident on the "from" point of seg i+1.
- Self intersections—The interior of each part must not intersect itself or other parts.
- Unclosed rings—The last segment in a ring must have its "to" point incident on the "from" point of the first segment.
- Empty parts—The geometry has multiple parts, and one of them has no geometry.

## **Output Table of Check Geometry**

- CLASS
- FEATURE\_ID
- PROBLEM

PROBLEM	Point	Line	Polygon
short segment		✓	<b>✓</b>
null geometry	✓	✓	✓
incorrect ring ordering			✓
incorrect segment orientation			✓
selfintersections		Multipart	Multipart
unclosed rings			✓
empty parts	Multipart	Multipart	Multipart

Features - Repair Geometry



