

Example 4: Which of the following is a good definition?

a) A fish is an animal that swims.

No! - not reversible

b) Rectangles have four corners.

No! - not reversible

c) Giraffes are animals with very long necks.

No! - not reversible, not precise

d) A penny is a coin worth one cent.

✓

e) Perpendicular lines are two lines that intersect to form right angles.

✓

f) Collinear points are points that lie on the same line.

✓

Summary: Good Definition: reversible + precise

Biconditional: true statement that combines
true conditional w/ its true converse
(iff)