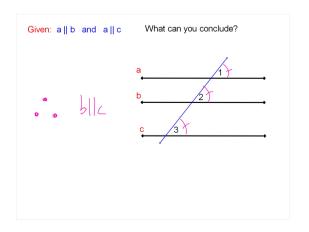
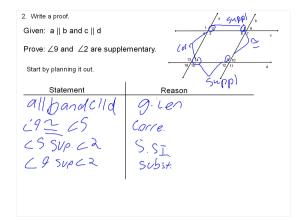
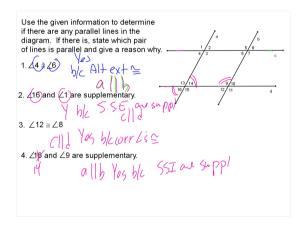
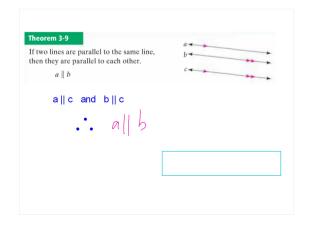


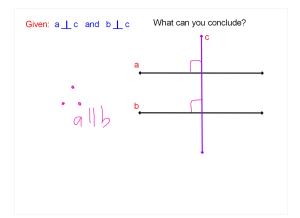
Give the name for this pair of angles, if there is one, and state their relationship.

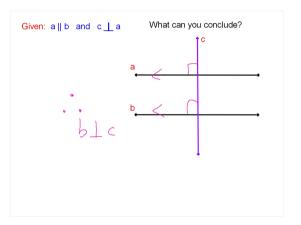












Each of the following statements describes a ladder. What can you conclude about the rungs, one side, or both sides of each ladder? Explain.

- 4. The rungs are each perpendicular to one side. Rungs are || to each other
- 5. The rungs are parallel and the top rung is perpendicular to one side.



All the other rungs are perpendicular to that side too.

Theorem 3-10

In a plane, if two lines are perpendicular to the same line, then they are parallel to each other.

$$m \parallel n$$

 $m \perp t$ and $n \perp t$

Theorem 3-11

In a plane, if a line is perpendicular to one of two parallel lines, then it is also perpendicular to the other. $n \perp m$

$$a\perp b,\ b\parallel c,\ c\parallel d$$



2. What is the relationship between lines and d?

$$a \parallel b, b \perp c, c \perp d$$
 \therefore

3. What is the relationship between lines a and e?

$$a \perp b, \ b \parallel c, \ c \parallel d, \ d \perp e^{\alpha} \parallel e^{\alpha}$$

$$\therefore \qquad \alpha \parallel e \qquad \qquad \downarrow e^{\alpha}$$

4. What is the relationship between lines a and e?

