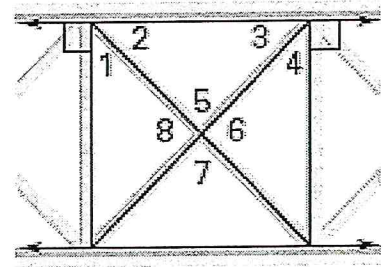**Stair Railing:** A stair railing is designed as shown in the figure.
Use the angles identified in the figure to **name** *two* **pairs** of the indicated type of angle pair.

25. Complementary angles ∠____ & ∠____   ∠____ & ∠____

26. Supplementary angles ∠____ & ∠____   ∠____ & ∠____

28. Vertical angles ∠____ & ∠____   ∠____ & ∠____

29. Linear pair ∠____ & ∠____   ∠____ & ∠____

30. Adjacent angles ∠____ & ∠____   ∠____ & ∠____

Using the diagram, tell whether the angles are *vertical angles,* a *linear pair,* or *neither.*

31._____ ∠1 and ∠2   32._____ ∠1 and ∠3

33._____ ∠2 and ∠4   34._____ ∠4 and ∠5

35._____ ∠6 and ∠8   36._____ ∠8 and ∠9

37._____ ∠11 and ∠10   38._____ ∠10 and ∠7
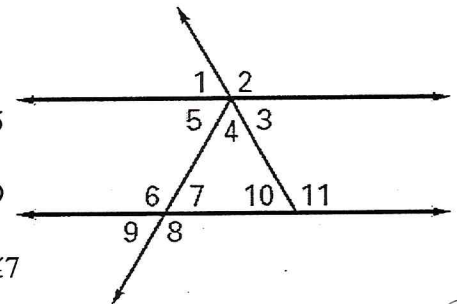
39. Construct a 143° angle.   40. Construct a 50°, 60°, 70° triangle.