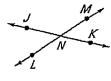
Name:	Date:
Angle Pair Relationships	Practice Worksheet

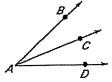
Are tne indicated angles adjacent?

1._____∠*BAC* and ∠*CAD*

2. $\angle EFG$ and $\angle HGF$

3. $\angle JNM$ and $\angle LNK$



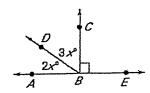


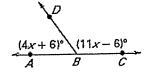
 \angle 1 and \angle 2 are complementary angles. Given the measure of \angle 1, find $m\angle$ 2.

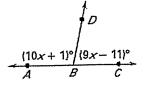
 \angle 1 and \angle 2 are supplementary angles. Given the measure of \angle 1, find $m\angle$ 2.

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

Use the diagrams to find the indicated measurements.







Given: $m \angle A = (4x - 2)^{\circ}$ and $m \angle B = (11x + 17)^{\circ}$

- 23. Find x if the angles are complementary.
- 24. Find x if the angles are supplementary.

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.

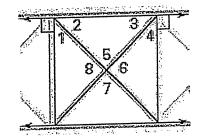
25. Complementary angles \angle & \angle \angle & \angle

26. Supplementary angles \angle & \angle \angle & \angle

28. Vertical angles <u>∠ & ∠ </u> <u>∠ & ∠</u>

29. Linear pair <u>∠ & ∠ </u> <u>∠ & ∠</u>

30. Adjacent angles \angle & \angle \angle & \angle



10\11

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

31. ∠1 and ∠2 32. ∠1 and ∠3

33._____ \(\and \and \and \alpha \) and \(\alpha \) and \(\alpha \) \(\alpha \) and

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

37._____ ∠11 and ∠10 38.____ ∠10 and ∠7