Identifying Complementary, Supplementary, Vertical, and Adjacent Angles
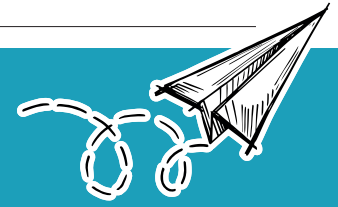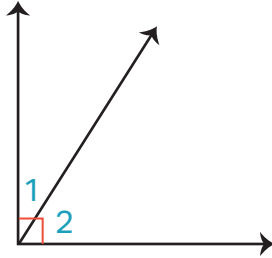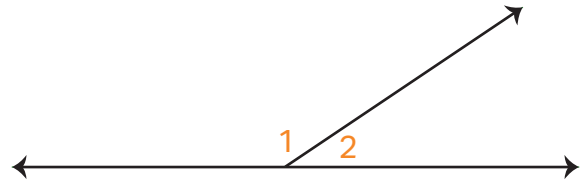
Complementary angles have a sum of 90°. Here, ∠1 and ∠2 are complementary angles.

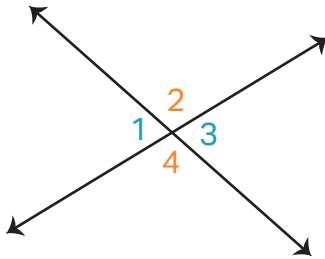**Supplementary angles** have a sum of 180°. Here, ∠1 and ∠2 are supplementary angles.
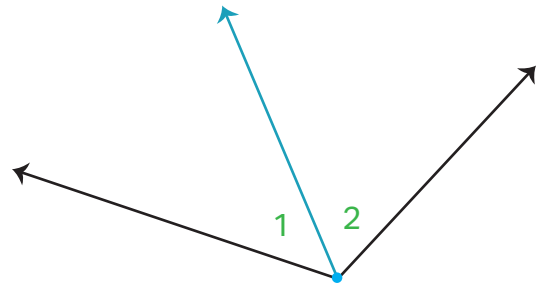
Vertical angles are opposite angles that form when two lines intersect. Vertical angles are congruent. Here, there are two sets of vertical angles:
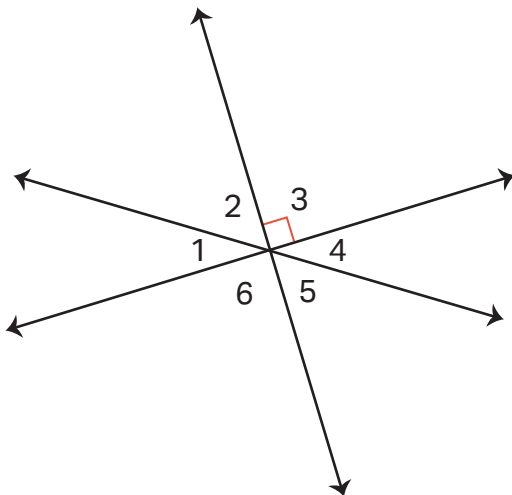
∠1 and ∠3   ∠2 and ∠4

Adjacent angles share a common vertex and side. Here, ∠1 and ∠2 are adjacent angles.
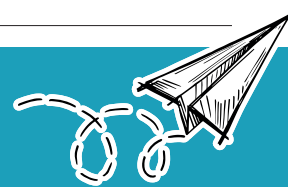
Try it out! Answer each question.

1) Name an angle that is adjacent to ∠1. _____

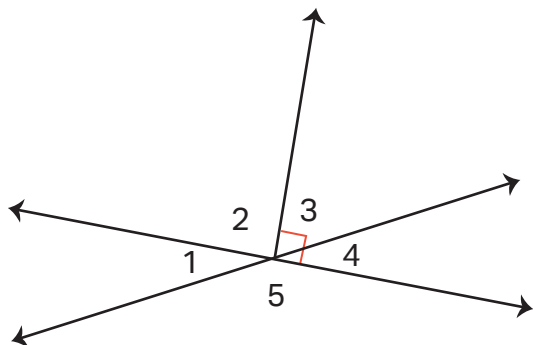2) Name an angle that is adjacent to ∠4. _____

3) Name a pair of angles that are complementary.
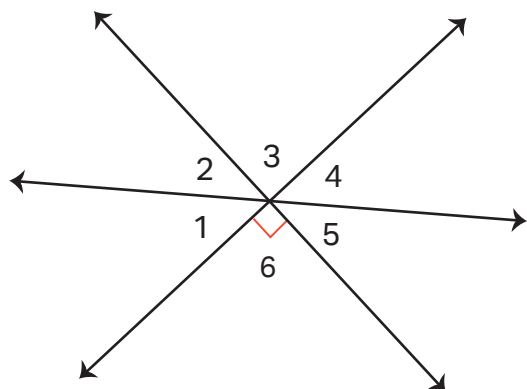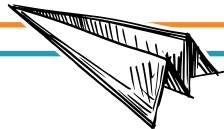
_____

4) Name a pair of vertical angles. _____

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Keep going! Answer each question.

1) Name the angle that is vertical to ∠1. ————

2) Name an angle that is adjacent to ∠3. ————

3) Name an angle that is adjacent to ∠2. ————

4) Which angle is complementary to ∠4? ————

5) Which angle is supplementary to ∠5? ————

6) Name three angles that are supplementary.

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1) Name an angle that is adjacent to ∠4. ————

2) Name the angle that is vertical to ∠6. ————

3) Name the angle that is vertical to ∠5. ————

4) Which angle is supplementary to ∠3? ————

5) Name the angle that is complementary to ∠2, other than ∠1. ————

6) Name three angles that are supplementary.

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