

For the following constructions,

- only show the necessary parts of the constructions;
- do not draw objects that are not required - this may mean erasing unused objects;
- write an Order of Construction list.

Construct:

1. An isosceles triangle such that AB is the side of unique length.
2. An isosceles triangle such that AB is not the side of unique length. *The triangle must not be equilateral.*
3. An equilateral triangle such that AB is one of its sides.
4. An equilateral triangle such that A is a vertex of the triangle and B is a midpoint of one of its sides.
5. A perpendicular bisector of AB .
6. A line that is perpendicular to AB and passes through B .
7. A square such that AB is a side.
8. A point C such that \hat{BAC} is 150° .
9. A point C such that \hat{BAC} is 240° .
10. A point C such that \hat{BAC} is 30° .
11. A point C such that \hat{BAC} is 45° .
12. A rhombus such that there is an internal angle of 120° and AB is a side.
13. A kite such that A and B are opposite vertices.
14. A kite such that A and B are adjacent vertices.

A •

• B

Order of Construction:

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