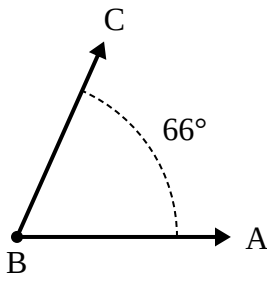
Adding a Ray and Calculating Angle

Name:

Solve each problem.

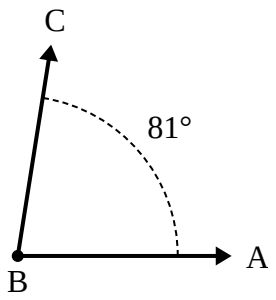
1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 31 degrees.

B. What is the measure of angle ABD?

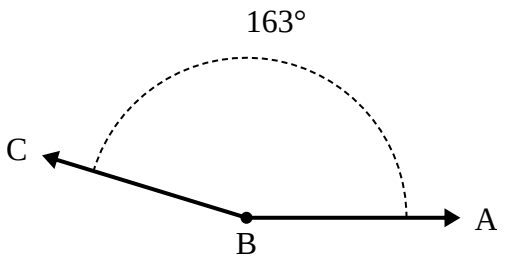
2)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 31 degrees.

B. What is the measure of angle DBC?

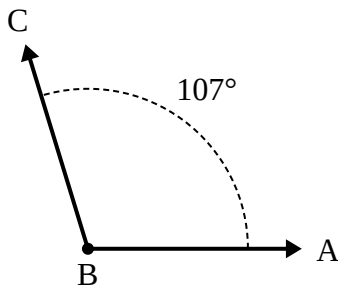
3)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 73 degrees.

B. What is the measure of angle DBC?

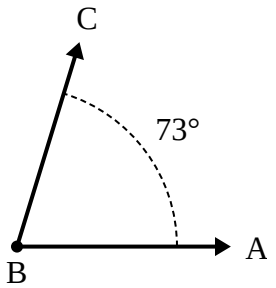
4)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 58 degrees.

B. What is the measure of angle ABD?

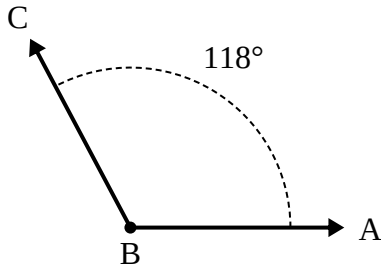
5)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 33 degrees.

B. What is the measure of angle ABD?

6)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 31 degrees.

B. What is the measure of angle ABD?

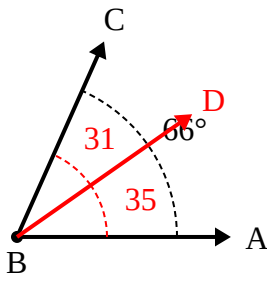
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

1-6	83	67	50	33	17	0

Solve each problem.

1)



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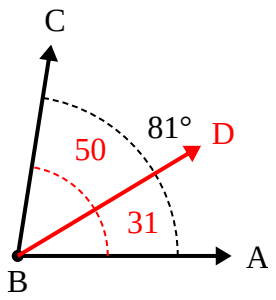
B. What is the measure of angle ABD?

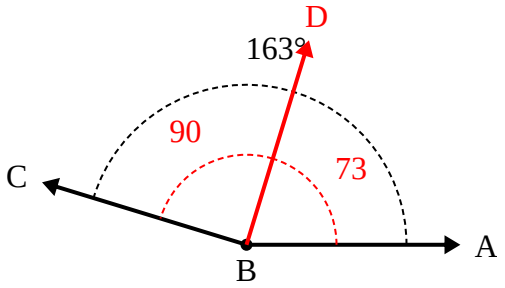
2)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 31 degrees.

B. What is the measure of angle DBC?

3)



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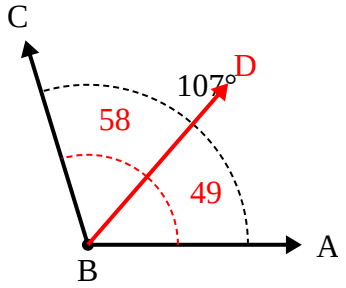

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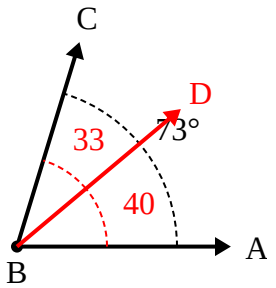

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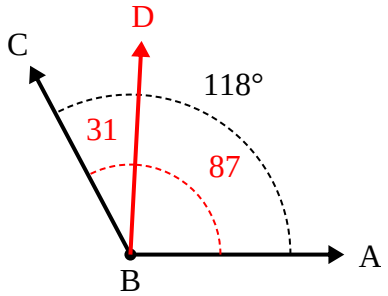

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 31 degrees.

B. What is the measure of angle ABD?

Answers

1. **35°**
2. **50°**
3. **90°**
4. **49°**
5. **40°**
6. **87°**

1-6	83	67	50	33	17	0