

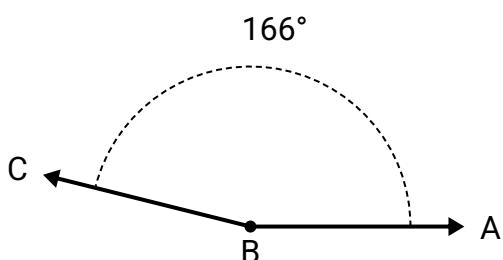


Adding a Ray and Calculating Angle

Name: _____

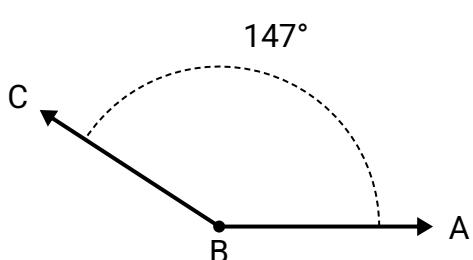
Solve each problem.

1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 134 degrees.
 B. What is the measure of angle DBC?

2)

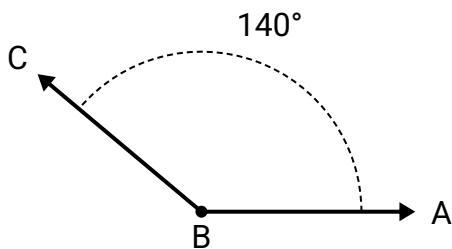


A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 48 degrees.
 B. What is the measure of angle ABD?

Answers

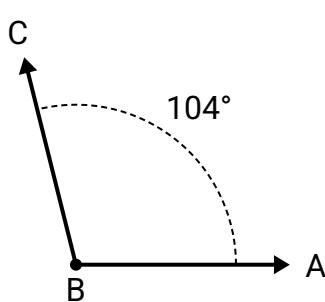
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

3)



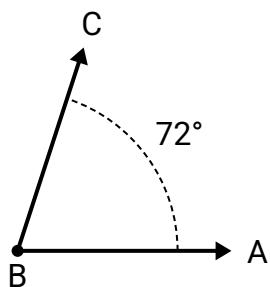
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 93 degrees.
 B. What is the measure of angle DBC?

4)



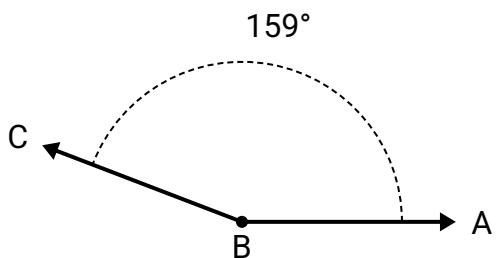
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 50 degrees.
 B. What is the measure of angle ABD?

5)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 31 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 70 degrees.
 B. What is the measure of angle ABD?

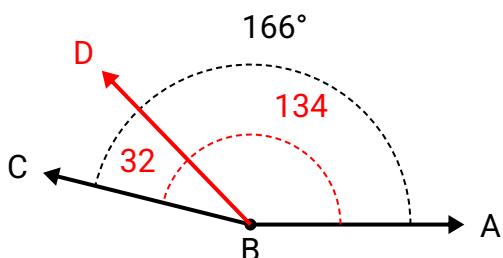


Adding a Ray and Calculating Angle

Name: **Answer Key**

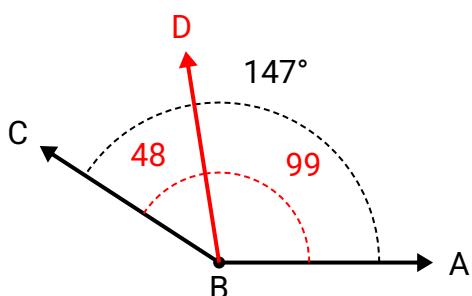
Solve each problem.

1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 134 degrees.
 B. What is the measure of angle DBC?

2)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 48 degrees.
 B. What is the measure of angle ABD?

Answers

1. **32°**

2. **99°**

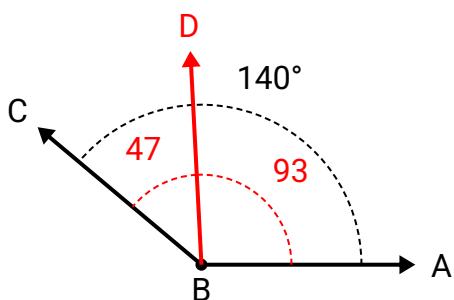
3. **47°**

4. **54°**

5. **41°**

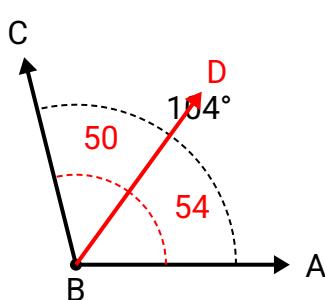
6. **89°**

3)



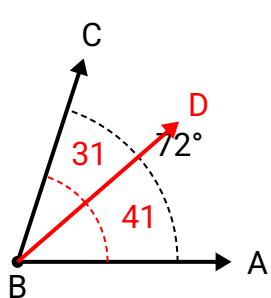
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 93 degrees.
 B. What is the measure of angle DBC?

4)



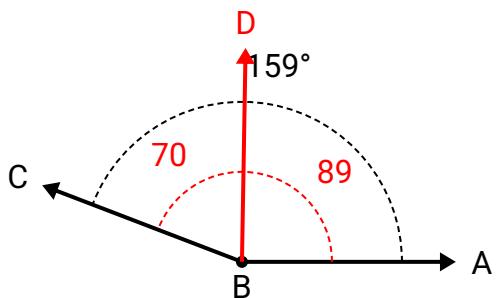
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 50 degrees.
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