

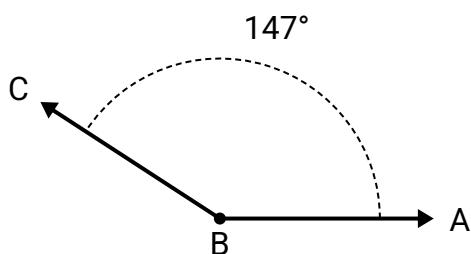


Adding a Ray and Calculating Angle

Name: _____

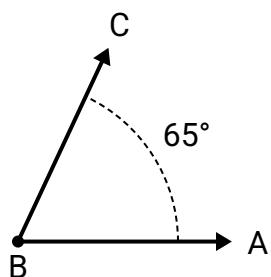
Solve each problem.

1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 109 degrees.
 B. What is the measure of angle DBC?

2)

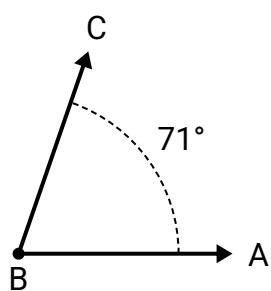


A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 31 degrees.
 B. What is the measure of angle DBC?

Answers

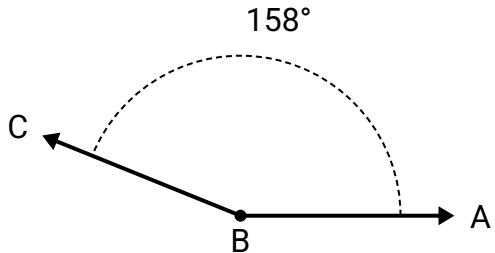
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

3)



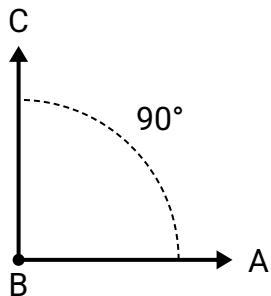
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 30 degrees.
 B. What is the measure of angle ABD?

4)



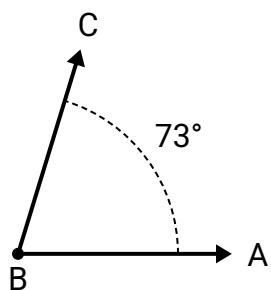
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 83 degrees.
 B. What is the measure of angle DBC?

5)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 58 degrees.
 B. What is the measure of angle DBC?

6)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 35 degrees.
 B. What is the measure of angle ABD?

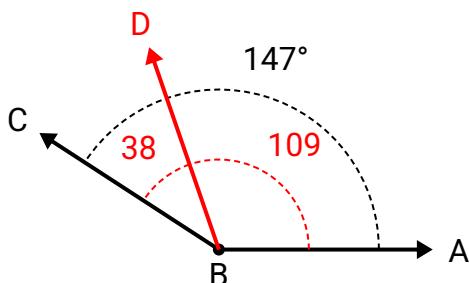


Adding a Ray and Calculating Angle

Name: **Answer Key**

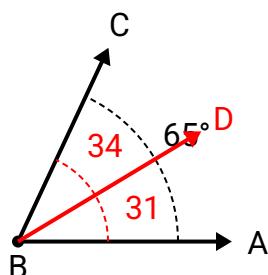
Solve each problem.

1)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 109 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 ABD measuring 31 degrees.
 B. What is the measure of angle DBC?

Answers

1. **38**

2. **34**

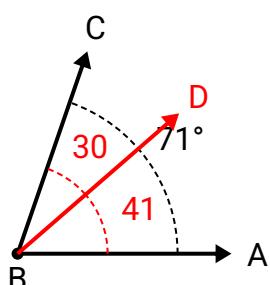
3. **41**

4. **75**

5. **32**

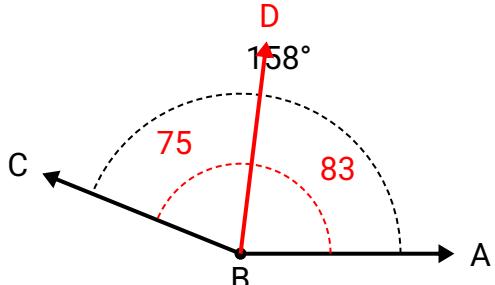
6. **38**

3)



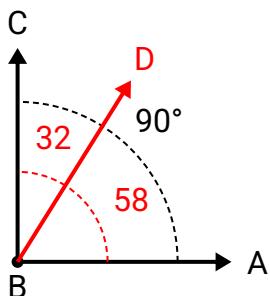
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 30 degrees.
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4)



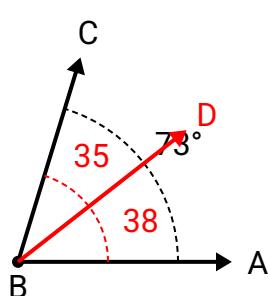
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 83 degrees.
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