

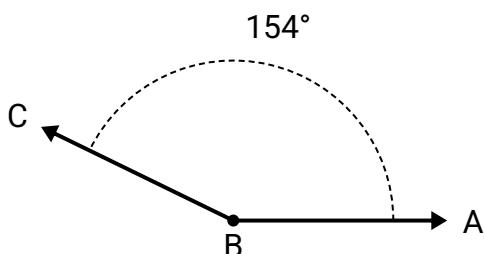


Adding a Ray and Calculating Angle

Name: _____

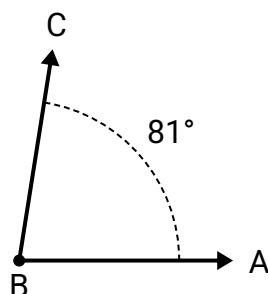
Solve each problem.

1)



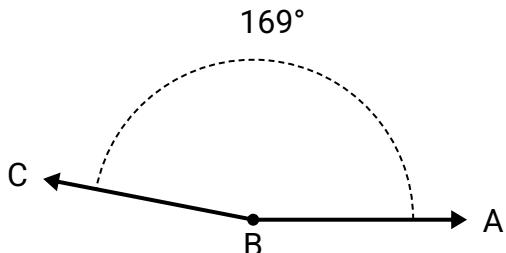
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 119 degrees.
 B. What is the measure of angle DBC?

2)



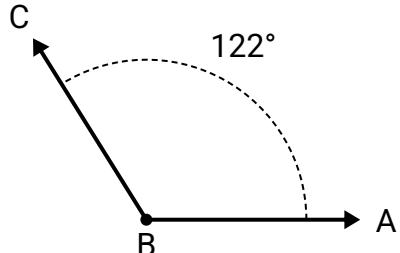
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 30 degrees.
 B. What is the measure of angle DBC?

3)



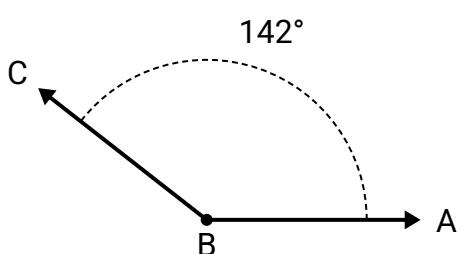
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 106 degrees.
 B. What is the measure of angle ABD?

4)



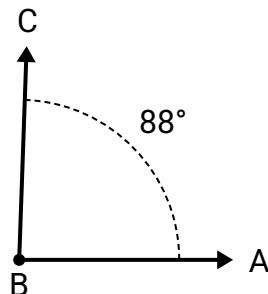
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 49 degrees.
 B. What is the measure of angle ABD?

5)



A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 92 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 58 degrees.
 B. What is the measure of angle ABD?

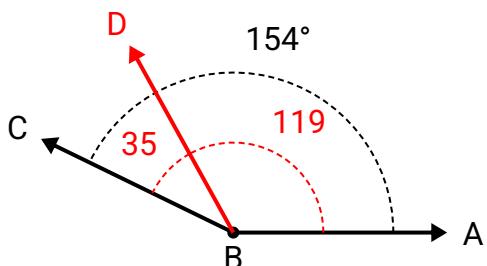
Answers

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



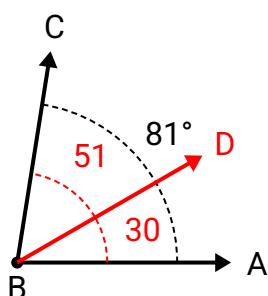
Solve each problem.

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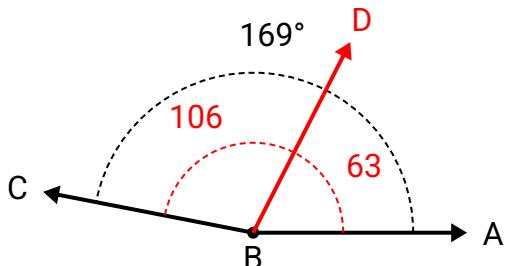
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A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 30 degrees.
 B. What is the measure of angle DBC?

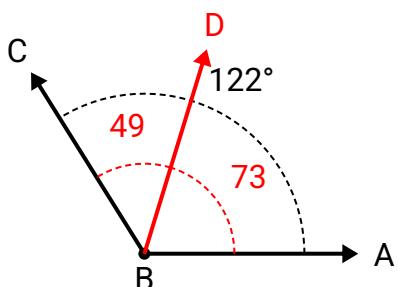
Answers1. **35°**2. **51°**3. **63°**4. **73°**5. **50°**6. **30°**

3)



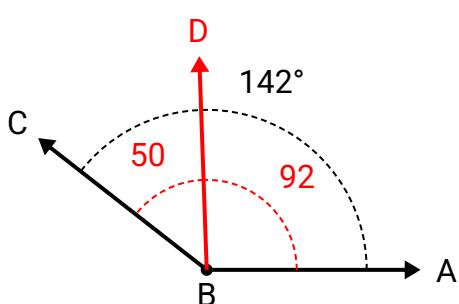
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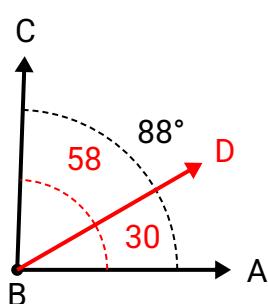
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