Solve each problem.

1)

C

70°

B　　→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 37 degrees.

B. What is the measure of angle ABD?

2)

153°

C

B　　→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 107 degrees.

B. What is the measure of angle ABD?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3)

C

63°

B　　→ A

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?

4)

C

88°

B　　→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 32 degrees.

B. What is the measure of angle DBC?

5)

163°

C

B　　→ A

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?

6)

C

120°

B　　→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 39 degrees.
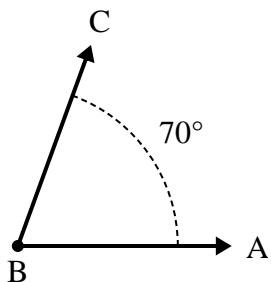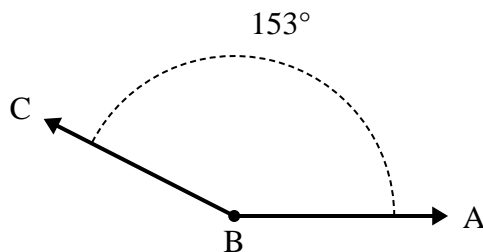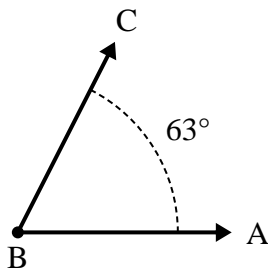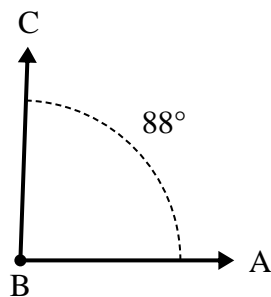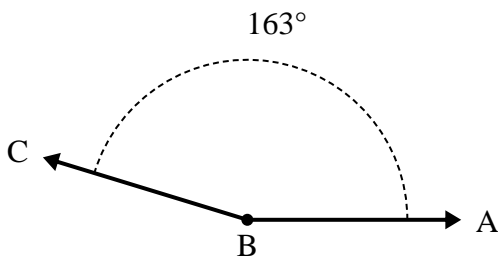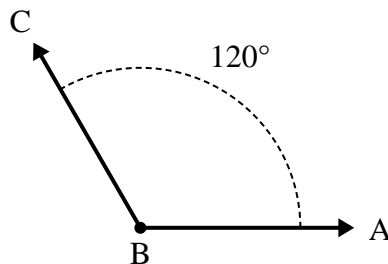
B. What is the measure of angle DBC?

Solve each problem.

1)

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 37 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 DBC measuring 107 degrees.
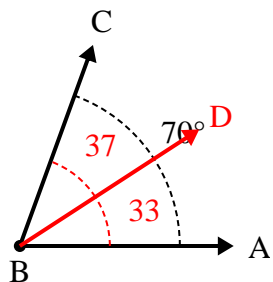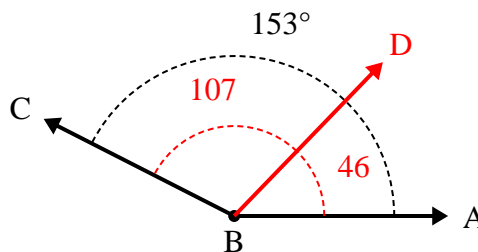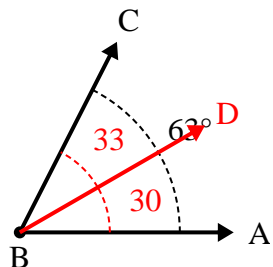
B. What is the measure of angle ABD?

1.   **33°**

2.   **46°**

3.   **33°**
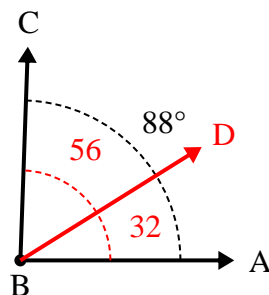
4.   **56°**

5.   **93°**

6.   **81°**

3)

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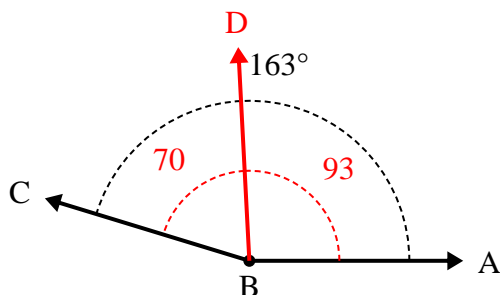
B. What is the measure of angle DBC?

4)

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 32 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 DBC measuring 70 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 ABD measuring 39 degrees.
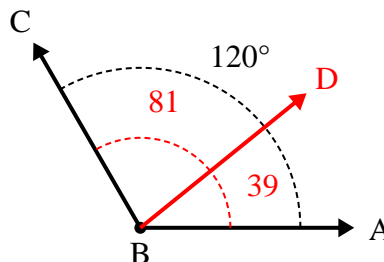
B. What is the measure of angle DBC?