Solve each problem.

1)

130°
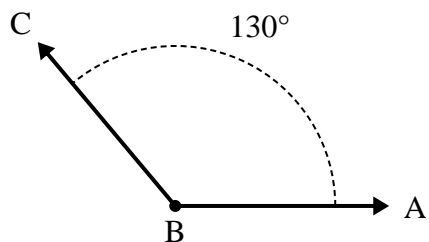
C

B   A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 79 degrees.

B. What is the measure of angle DBC?

2)

C

68°

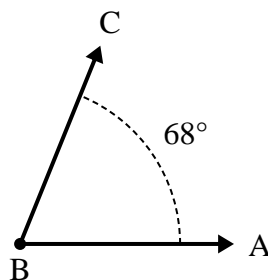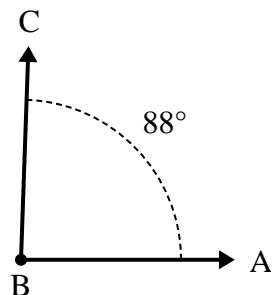B   A

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

B. What is the measure of angle DBC?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3)

C

88°

B   A
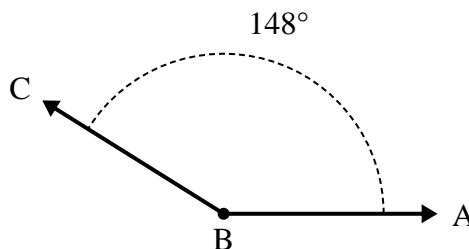
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 56 degrees.

B. What is the measure of angle DBC?

4)

148°

C

B   A
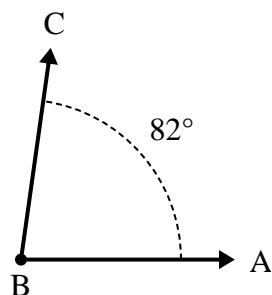
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 71 degrees.

B. What is the measure of angle ABD?

5)

C

82°

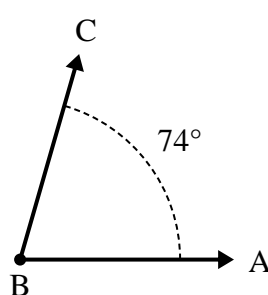B   A

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?

6)

C

74°

B   A

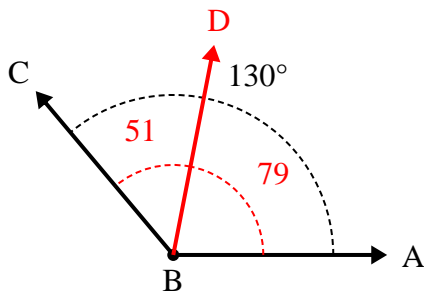A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 34 degrees.

B. What is the measure of angle ABD?

Math

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1

Name:

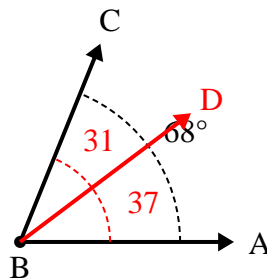**Solve each problem.**

1)

D

C

130°

51

79

B   A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 79 degrees.

B. What is the measure of angle DBC?

2)

C

D

31   68°

37

B   A

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

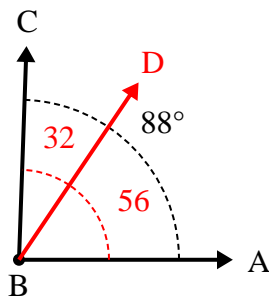B. What is the measure of angle DBC?

1. **51°**

2. **31°**

3. **32°**

4. **77°**

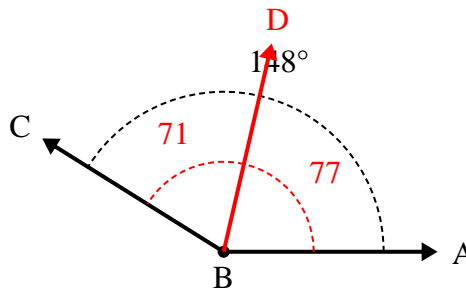5. **52°**

6. **40°**

3)

C

D

32   88°

56

B   A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 56 degrees.

B. What is the measure of angle DBC?
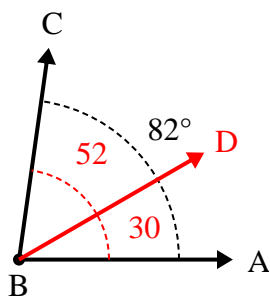
4)

D

148°

C   71

77

B   A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 71 degrees.

B. What is the measure of angle ABD?

5)

C

82°   D

52

30

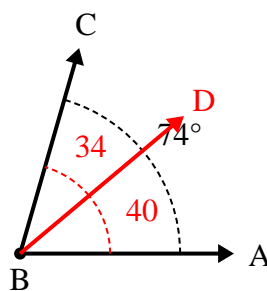B   A

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?

6)

C

D

34   74°

40

B   A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 34 degrees.

B. What is the measure of angle ABD?