Name:

Solve each problem.

1)

144°

C

B ●————→ A
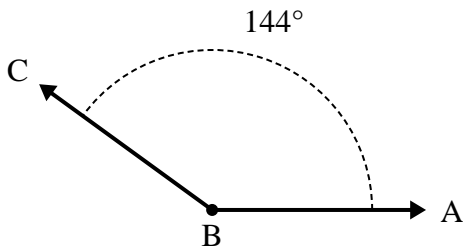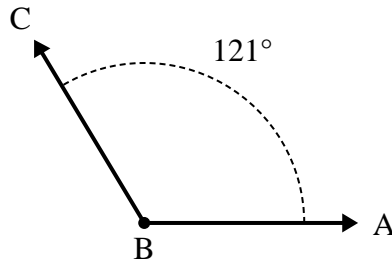
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 111 degrees.

B. What is the measure of angle DBC?

2)

C

121°

B ●————→ A
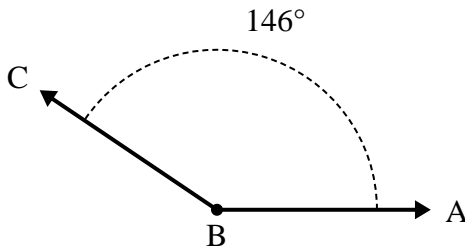
A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 74 degrees.

B. What is the measure of angle DBC?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3)

146°

C

B ●————→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 86 degrees.

B. What is the measure of angle ABD?

4)

C

92°

B ●————→ A

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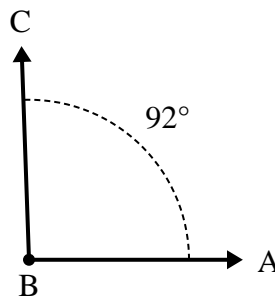
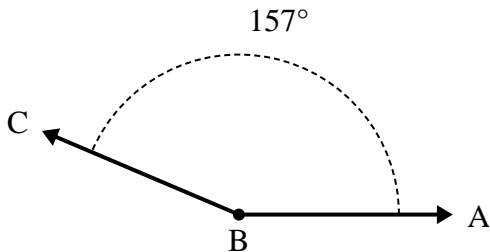B. What is the measure of angle DBC?

5)

157°

C

B ●————→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 58 degrees.

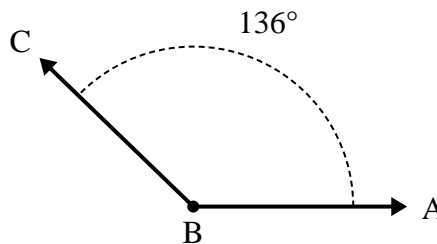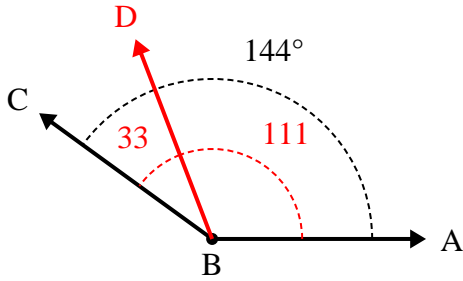B. What is the measure of angle ABD?

6)

136°

C

B ●————→ A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 74 degrees.

B. What is the measure of angle DBC?

Math

1-6 | 83 | 67 | 50 | 33 | 17 | 0

Answer Key

Solve each problem.

1)

D

144°

C

33   111

B → A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 111 degrees.

B. What is the measure of angle DBC?

1. **33°**

2)

C   D

121°

47

74

B → A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 74 degrees.
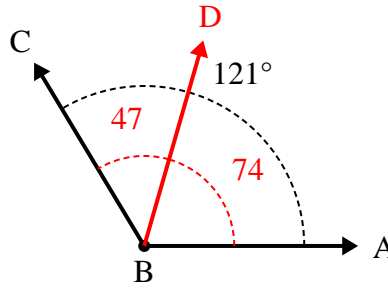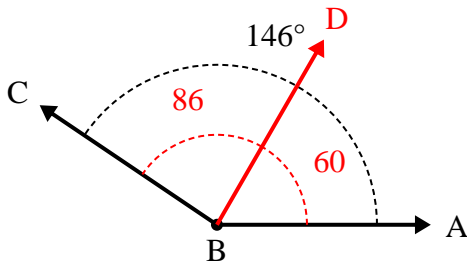
B. What is the measure of angle DBC?

2. **47°**

3. **60°**

4. **42°**

5. **99°**

6. **62°**

3)

146° D

C   86

60

B → A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 86 degrees.

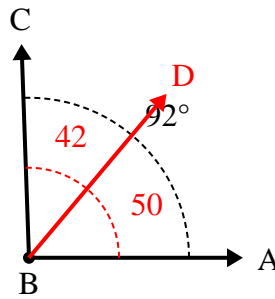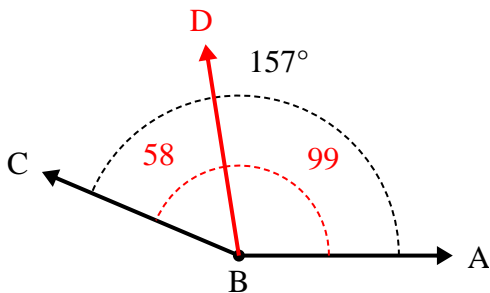B. What is the measure of angle ABD?

4)

C

D

92°

42

50

B → A

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

B. What is the measure of angle DBC?

5)

D

157°

58   99

C

B → A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle DBC measuring 58 degrees.

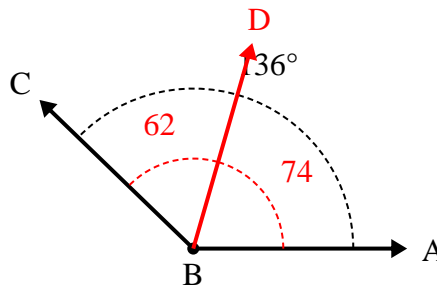B. What is the measure of angle ABD?

6)

D

136°

C   62

74

B → A

A. Draw and label ray BD so that it cuts angle ABC into two smaller angles, with angle ABD measuring 74 degrees.

B. What is the measure of angle DBC?

Math   www.CommonCoreSheets.com