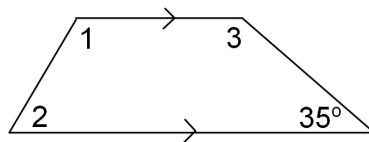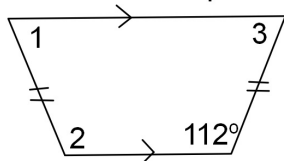# Sec 6-5: Trapezoids and Kites.

Find the measure of all the missing angles that you are able to.
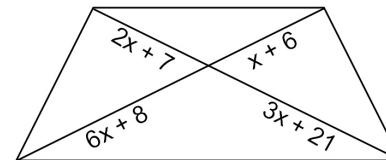
1. Trapezoid

1   3

2   35°

2. Isosceles Trapezoid.

1   3

2   112°

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3. Find the value of x so that the figure is an Isosceles Trapezoid.
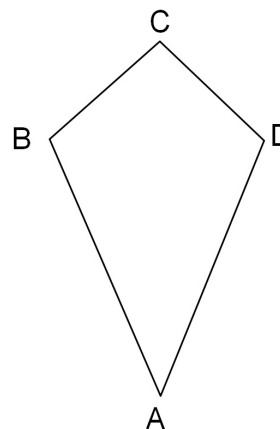
$2x + 7$ $x + 6$

$6x + 8$ $3x + 21$

Kite: 2 pairs of adjacent sides are ≅

C

B   D

A
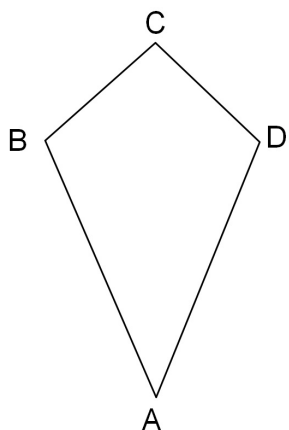
1. One pair of opp angles are ≅. Which pair of Kite ABCD?

2. What is true about the diagonals of a kite?

3. Do the diagonals of a kite bisect any angles?
If yes, which diagonal(s)
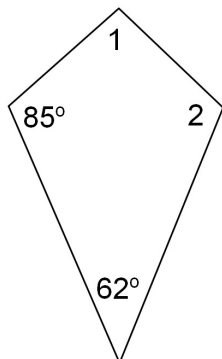
If yes, which angle(s) are bisected?

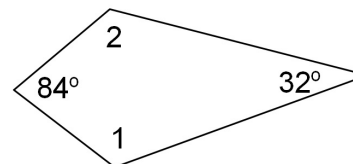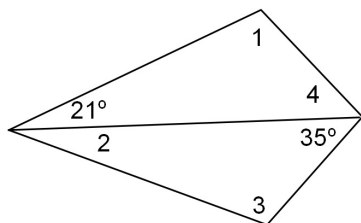
What is true about the diagonals of a kite?

C

B   D

A

1.

2.

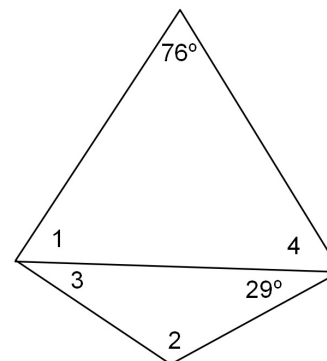Find the measure of each numbered angle in the kite below.

1

85°   2

62°

Find the measure of each numbered angle in the kite below.

2

84°   32°

1

Find the measure of each numbered angle in the kite below.

1

4

21°

2   35°

3

Find the measure of each numbered angle in the kite below.

76°

1   4

3   29°

2

Find the measure of each numbered
angle in the kite below.