6.2 Day 3 HW - p. 363 #1 – 4, 9 – 10, 26, 27, 29, 30, 38, 41
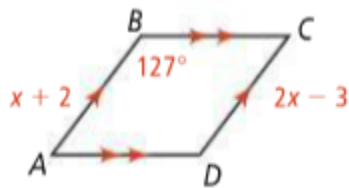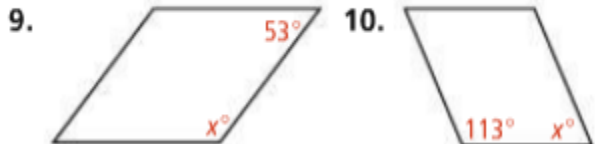
Use the diagram of □*ABCD*
to find each value.

1. $m\angle A$ 2. $m\angle D$

3. x 4. AB

Algebra Find the value of *x* in each parallelogram.

9.

10.

Algebra Find the value(s) of the variable(s) in each parallelogram.

26.

$(4a - 4)°$

$(2a + 30)°$

27.

$6y + 1$ $x + 7$

$2x - 5$ $4y + 9$

Algebra Find the value of *a*. Then find each side length or angle measure.

29.

$a - 3.5$

$2a - 20.4$ $a + 1.6$

18.5

30.

$(20a + 30)°$

$5a°$

$(17a + 48)°$

Find the measures of the numbered angles for each parallelogram.

38.

$38°$
$110°$

41. **Algebra** The perimeter of □*ABCD* is 92 cm. *AD* is 7 cm more
than twice *AB*. Find the lengths of all four sides of □*ABCD*.