Geometry

Name_____

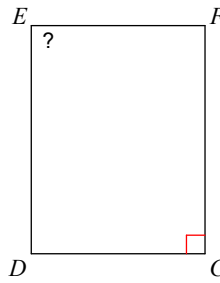# Review - Quadrilaterals & Their Properties

Period____

Find the measurement indicated in each parallelogram.

1)

2)

3)

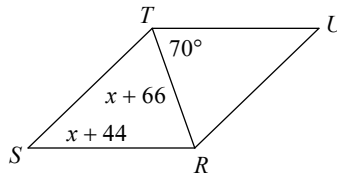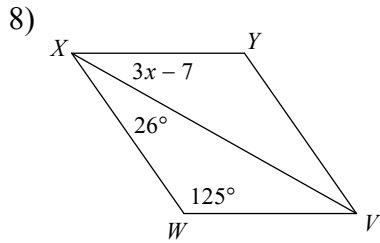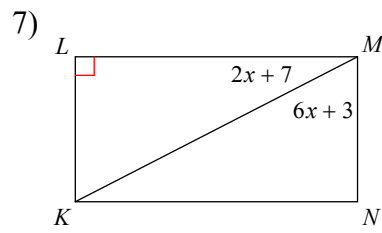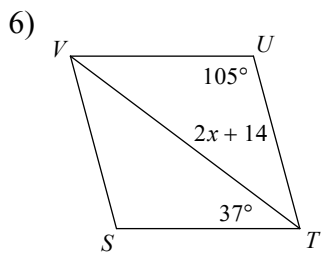**Solve for *x*. Each figure is a parallelogram.**

4)

5)

6)

7)

8)

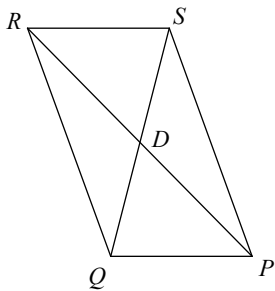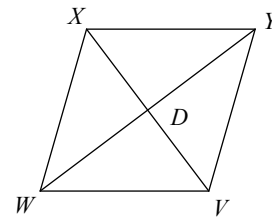**Find the measurement indicated in each parallelogram.**
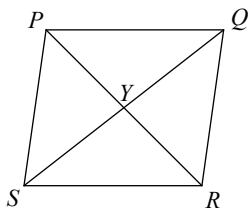
9) $QD = -3 + x$
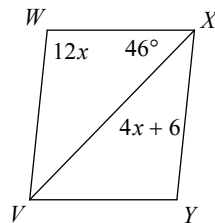 $DS = 2x - 15$
   Find QD

10) $WD = x + 1$
    $DY = -7 + 2x$
    Find WY

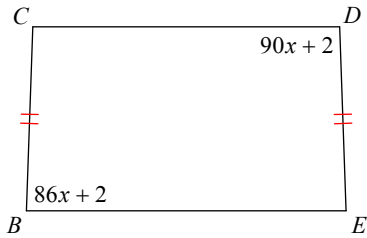11) $QY = 4x - 3$
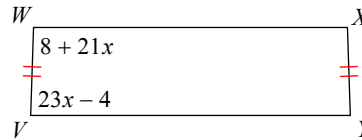 $YS = 3x$
    Find QY

12) Find $m\angle WXY$

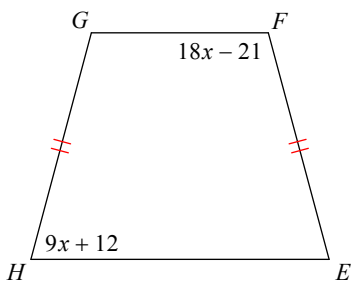**Find the length of the angle indicated for each trapezoid.**

13) Find $m\angle C$

C ——————— D
$90x + 2$

$86x + 2$

B ——————— E

14) Find $m\angle V$

W ——————— X
$8 + 21x$

$23x - 4$

V ——————— Y

15) Find $m\angle G$

G —— F
$18x - 21$

$9x + 12$

H ——————— E
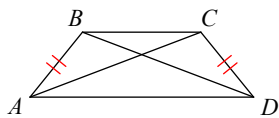
16) Find $m\angle H$

F —— G
$12x - 31$

$6x - 5$

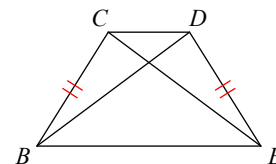E ——————— H

Find the length of the diagonal indicated for each trapezoid.
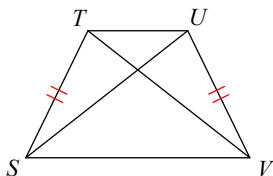
17) $AC = 4x - 30$
    $BD = x + 3$
    Find AC
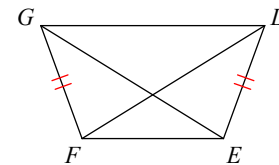
18) $CE = -4 + 2x$
    $BD = 3x - 9$
    Find CE

19) $TV = 22x$
    $SU = 19x + 3$
    Find TV

20) $DF = 4x - 1$
    $EG = 5x - 6$
    Find DF

Answers to Review - Quadrilaterals & Their Properties

1) 57°

2) 90°

3) 70°

4) 4

5) 0

6) 12

7) 10

8) 12

9) 9

10) 18

11) 9

12) 84°

13) 92°

14) 88°

15) 105°

16) 67°

17) 14

18) 6

19) 22

20) 19