Geometry

5.2   Corrective Assignment #2

Solve for x. Each figure is a parallelogram.

1)
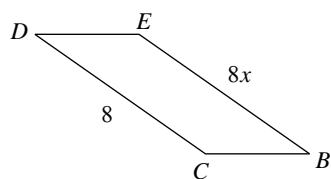
2)
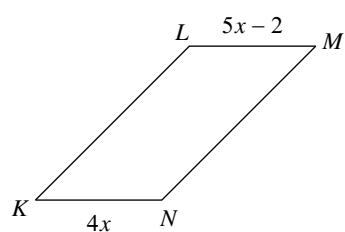
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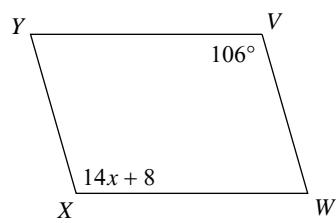
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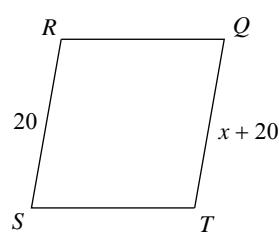
5) $EV = 15$
 $VC = 2x - 1$

6) $VD = 24$
   $DX = 4x + 4$

7)

49°

66° 5 + 6x

A D

B C

8) $RG = 22$
$EG = 15x - 1$


F G

R

E D
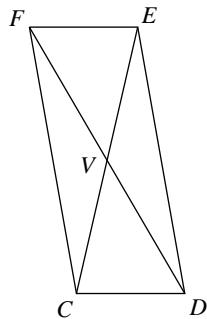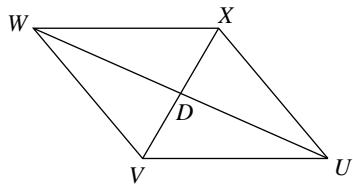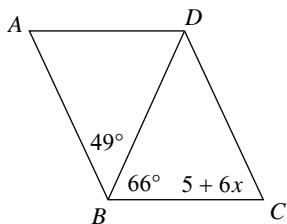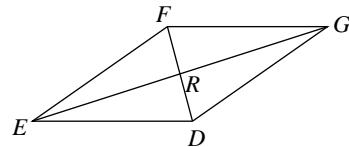
Find the measurement indicated in each parallelogram.

9) $SK = 3x - 1$
$KQ = 2x + 6$
Find SK


S R

K

T Q
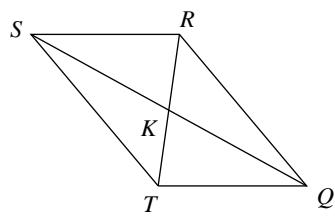
10) $TW = 3x + 2$
$WR = 4x - 1$
Find TW

S R

W

T U

11) $FM = 2x + 6$
$MH = 3x - 1$
Find FM

H E

M

G F

12) $VM = x + 6$
$MX = -1 + 2x$
Find VM

V W

M

U X

13) Find $m\angle RQT$

S T

4 + 3x

28°

9x + 16

R Q

14) Find $m\angle D$

A B

8x − 6

39°

7x − 3

D C
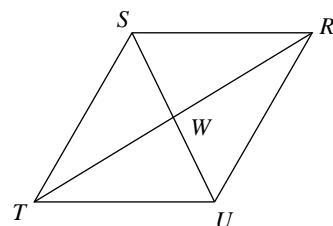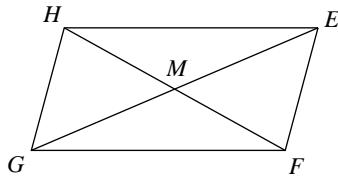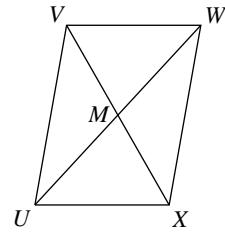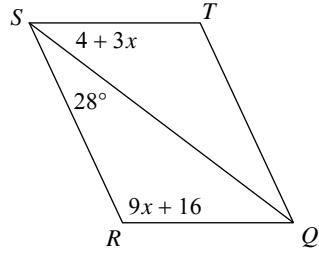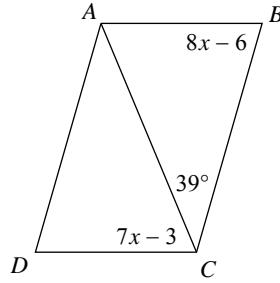
15) $WM = 3x$
$MY = 2x + 4$
Find WY
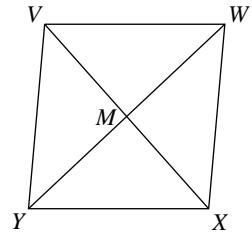
16) $ME = 3x + 3$
$EK = 2x + 9$
Find MK
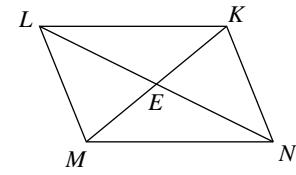
Answers to 5.2   Corrective Assignment #2

1) 1

2) 2

3) 7

4) 0

5) 8

6) 5

7) 10

8) 3

9) 20

10) 11

11) 20

12) 13

13) 65°

14) 74°

15) 24

16) 42