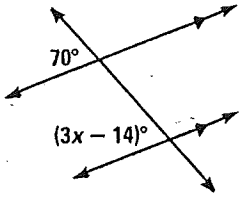
NAME Key DATE _____ PERIOD ____

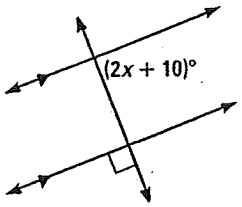
3-2 Skills Practice

Angles and Parallel Lines

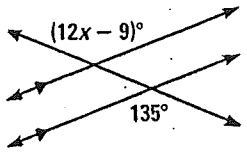
USING ALGEBRA Find the value of x.

1. 

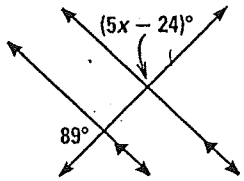
$x = 28$

2. 

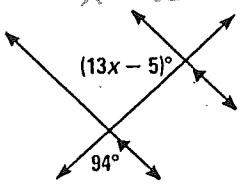
$x = 40$

3. 

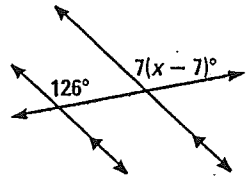
$x = 12$

4. 

$x = 23$

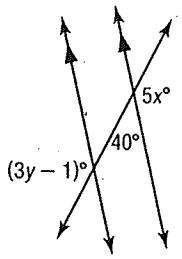
5. 

$x = 7$

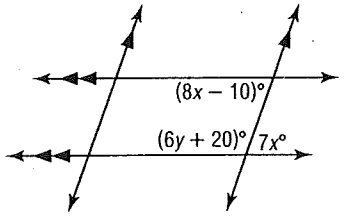
6. 

$x = 25$

Find x and y in each figure.

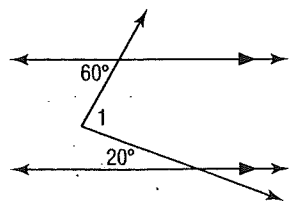
7. 

$x = 28$
$y = 47$

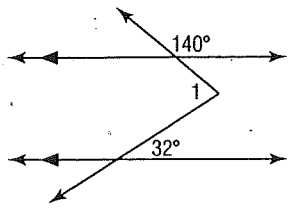
8. 

$x = 10$
$y = 15$

Find $m\angle 1$ in each figure.

9. 

$m\angle 1 = 80°$

10. 

$m\angle 1 = 72°$

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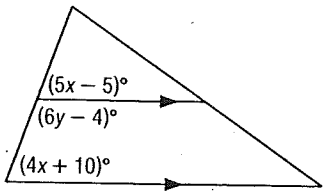
3-2 Study Guide and Intervention *(continued)*

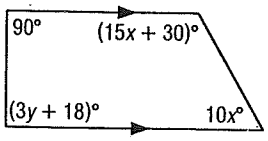
Angles and Parallel Lines

Exercises

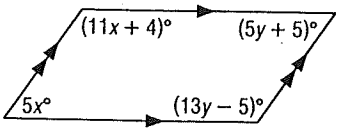
Find x and y in each figure.

1. 

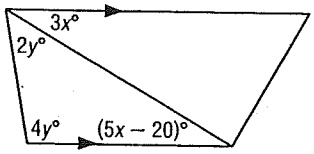
x = 15
y = 19

2. 

x = 6
y = 24

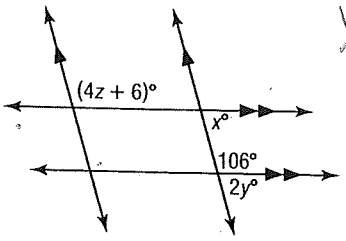
3. 

x = 11
y = 10

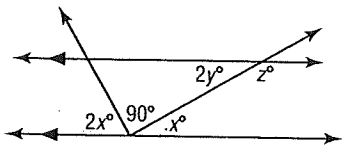
4. 

x = 10
y = 25

Find x, y, and z in each figure.

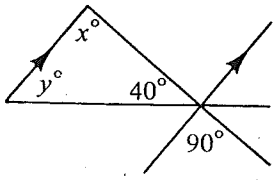
5. 

x = 74
y = 37
z = 25

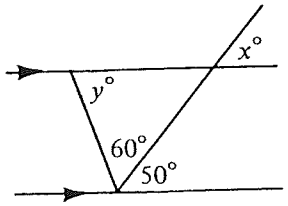
6. 

x = 30
y = 15
z = 150

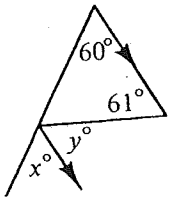
Find x and y in each figure.

7. 

x = 60° y = 61°

8. 

x = 50°
y = 70°

9. 

x = 90°
y = 50°

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