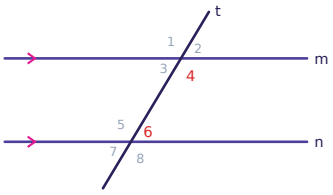
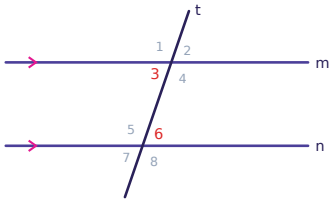
Parallel Lines Cut by a Transversal · 1

$m\angle 6 = (3x + 14)°$ and $m\angle 4 = (7x + 16)°$. Find x.



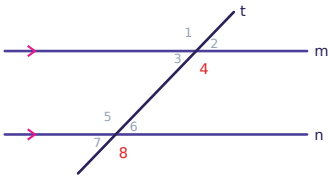
Parallel Lines Cut by a Transversal · 2

$m\angle 3 = (6x + 41)°$ and $m\angle 6 = (7x + 36)°$. Find $m\angle 6$.



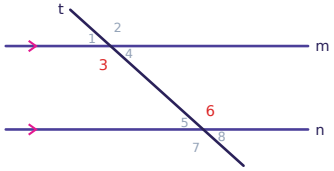
Parallel Lines Cut by a Transversal · 3

$m\angle 4 = (6x + 74)°$ and $m\angle 8 = (7x + 64)°$. Find x.



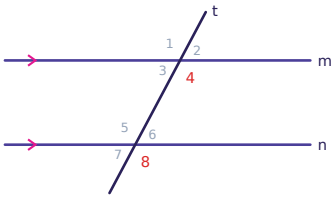
Parallel Lines Cut by a Transversal · 4

$m\angle 3 = (13x + 47)°$ and $m\angle 6 = (12x + 54)°$. Find $m\angle 6$.



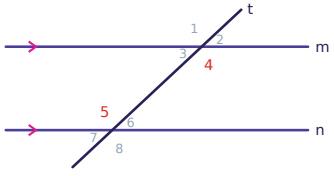
Parallel Lines Cut by a Transversal · 5

Name the relationship between $\angle 8$ and $\angle 4$: corresponding, alternate interior, alternate exterior, or same-side interior.



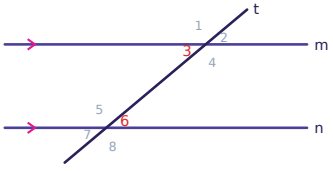
Parallel Lines Cut by a Transversal · 6

$m\angle 5 = (15x - 13)°$ and $m\angle 4 = (8x + 57)°$. Find x.



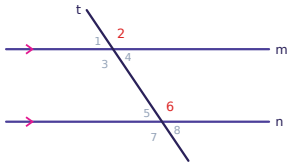
Parallel Lines Cut by a Transversal · 7

$m\angle 6 = (5x - 20)°$ and $m\angle 3 = (x + 28)°$. Find $m\angle 3$.



Parallel Lines Cut by a Transversal · 8

$m\angle 2 = (15x + 64)°$ and $m\angle 6 = 124°$. Find x.



Parallel Lines Cut by a Transversal · 2

ANSWER

71°

Parallel Lines Cut by a Transversal · 1

ANSWER

15

Parallel Lines Cut by a Transversal · 4

ANSWER

138°

Parallel Lines Cut by a Transversal · 3

ANSWER

10

Parallel Lines Cut by a Transversal · 6

ANSWER

10

Parallel Lines Cut by a Transversal · 5

ANSWER

corresponding

Parallel Lines Cut by a Transversal · 8

ANSWER

4

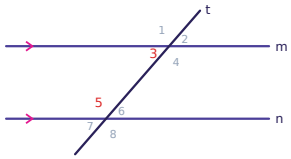
Parallel Lines Cut by a Transversal · 7

ANSWER

40°

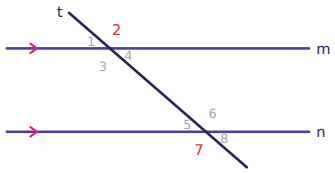
Parallel Lines Cut by a Transversal · 9

$m\angle 5 = (6x + 77)°$ and $m\angle 3 = 49°$. Find x.



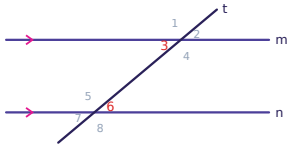
Parallel Lines Cut by a Transversal · 10

$m\angle 7 = (7x + 69)°$ and $m\angle 2 = (11x + 29)°$. Find $m\angle 2$.



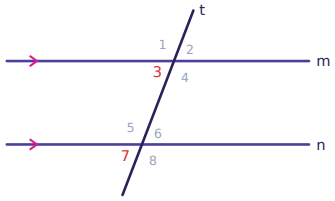
Parallel Lines Cut by a Transversal · 11

$m\angle 6 = (7x + 12)°$ and $m\angle 3 = 40°$. Find x.



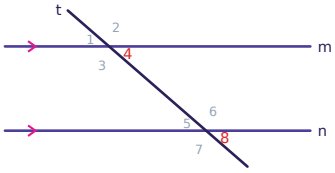
Parallel Lines Cut by a Transversal · 12

$m\angle 7 = (6x + 45)°$ and $m\angle 3 = (7x + 41)°$. Find $m\angle 3$.



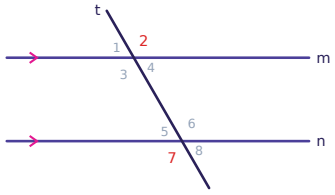
Parallel Lines Cut by a Transversal · 13

Name the relationship between ∠8 and ∠4: corresponding, alternate interior, alternate exterior, or same-side interior.



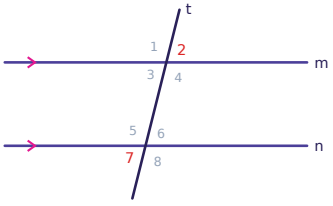
Parallel Lines Cut by a Transversal · 14

$m\angle 2 = (10x + 40)°$ and $m\angle 7 = (12x + 24)°$. Find x.



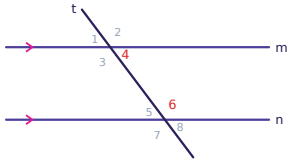
Parallel Lines Cut by a Transversal · 15

$m\angle 7 = (7x + 13)°$ and $m\angle 2 = (5x + 31)°$. Find $m\angle 2$.



Parallel Lines Cut by a Transversal · 16

$m\angle 4 = (6x + 23)°$ and $m\angle 6 = 127°$. Find x.



Parallel Lines Cut by a Transversal · 10

ANSWER

139°

Parallel Lines Cut by a Transversal · 9

ANSWER

9

Parallel Lines Cut by a Transversal · 12

ANSWER

69°

Parallel Lines Cut by a Transversal · 11

ANSWER

4

Parallel Lines Cut by a Transversal · 14

ANSWER

8

Parallel Lines Cut by a Transversal · 13

ANSWER

corresponding

Parallel Lines Cut by a Transversal · 16

ANSWER

5

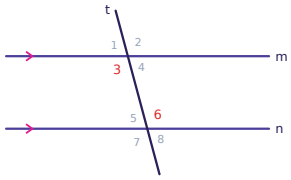
Parallel Lines Cut by a Transversal · 15

ANSWER

76°

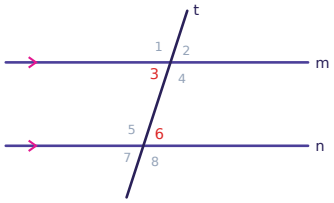
Parallel Lines Cut by a Transversal · 17

m∠3 = (4x + 45)° and m∠6 = 105°. Find x.



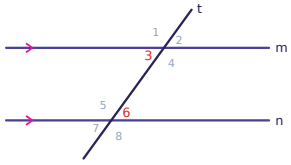
Parallel Lines Cut by a Transversal · 18

m∠6 = (6x + 24)° and m∠3 = (5x + 32)°. Find m∠3.



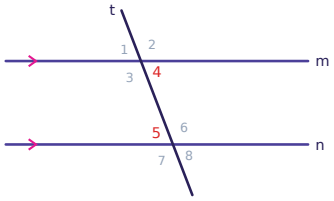
Parallel Lines Cut by a Transversal · 19

m∠6 = (5x - 11)° and m∠3 = 54°. Find x.



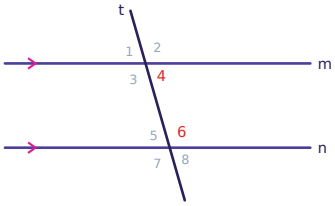
Parallel Lines Cut by a Transversal · 20

m∠5 = (6x + 33)° and m∠4 = (7x + 27)°. Find m∠4.



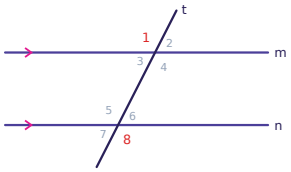
Parallel Lines Cut by a Transversal · 21

Name the relationship between ∠6 and ∠4: corresponding, alternate interior, alternate exterior, or same-side interior.



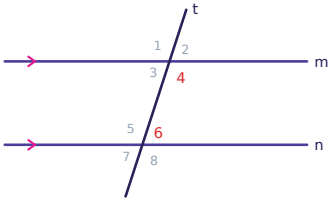
Parallel Lines Cut by a Transversal · 22

m∠8 = (7x + 82)° and m∠1 = 117°. Find x.



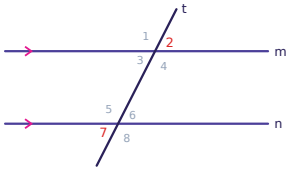
Parallel Lines Cut by a Transversal · 23

m∠4 = (5x + 33)° and m∠6 = (3x + 27)°. Find m∠6.



Parallel Lines Cut by a Transversal · 24

m∠2 = (5x + 3)° and m∠7 = 63°. Find x.



Parallel Lines Cut by a Transversal · 18

ANSWER

72°

Parallel Lines Cut by a Transversal · 17

ANSWER

15

Parallel Lines Cut by a Transversal · 20

ANSWER

69°

Parallel Lines Cut by a Transversal · 19

ANSWER

13

Parallel Lines Cut by a Transversal · 22

ANSWER

5

Parallel Lines Cut by a Transversal · 21

ANSWER

same-side interior

Parallel Lines Cut by a Transversal · 24

ANSWER

12

Parallel Lines Cut by a Transversal · 23

ANSWER

72°