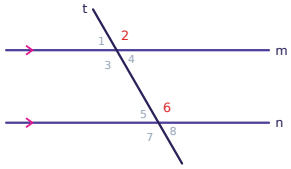
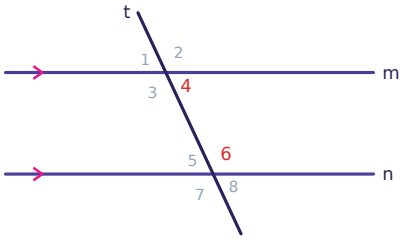
Parallel Lines Cut by a Transversal · 1

$m\angle 2 = (7x + 36)°$ and $m\angle 6 = 120°$. Find x.



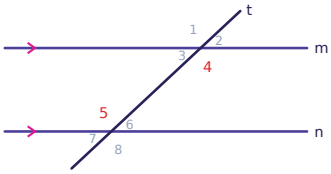
Parallel Lines Cut by a Transversal · 2

$m\angle 4 = 65°$. Find $m\angle 6$.



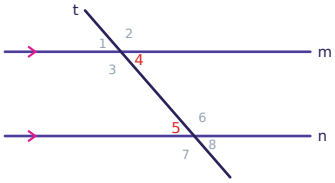
Parallel Lines Cut by a Transversal · 3

$m\angle 4 = (10x + 107)°$ and $m\angle 5 = (x + 134)°$. Find x.



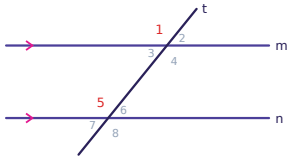
Parallel Lines Cut by a Transversal · 4

Name the relationship between ∠4 and ∠5: corresponding, alternate interior, alternate exterior, or same-side interior.



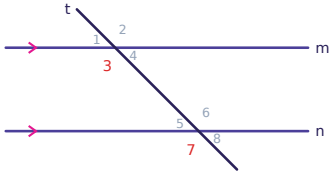
Parallel Lines Cut by a Transversal · 5

$m\angle 1 = (8x + 73)°$ and $m\angle 5 = 129°$. Find x.



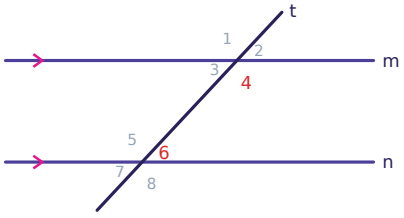
Parallel Lines Cut by a Transversal · 6

$m\angle 7 = (8x + 55)°$ and $m\angle 3 = (15x - 15)°$. Find x.



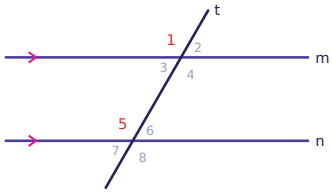
Parallel Lines Cut by a Transversal · 7

$m\angle 4 = 133°$. Find $m\angle 6$.



Parallel Lines Cut by a Transversal · 8

$m\angle 1 = (7x + 43)°$ and $m\angle 5 = (14x - 34)°$. Find x.



Parallel Lines Cut by a Transversal · 2

ANSWER

115°

Parallel Lines Cut by a Transversal · 1

ANSWER

12

Parallel Lines Cut by a Transversal · 4

ANSWER

alternate interior

Parallel Lines Cut by a Transversal · 3

ANSWER

3

Parallel Lines Cut by a Transversal · 6

ANSWER

10

Parallel Lines Cut by a Transversal · 5

ANSWER

7

Parallel Lines Cut by a Transversal · 8

ANSWER

11

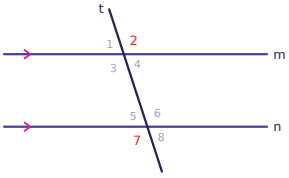
Parallel Lines Cut by a Transversal · 7

ANSWER

47°

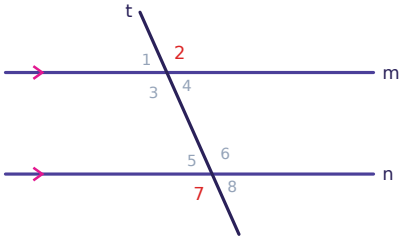
Parallel Lines Cut by a Transversal · 9

m∠7 = (7x + 38)° and m∠2 = 108°. Find x.



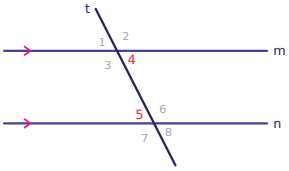
Parallel Lines Cut by a Transversal · 10

m∠7 = 114°. Find m∠2.



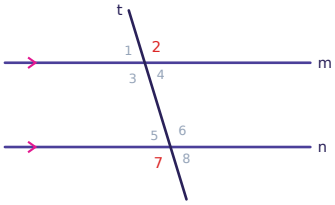
Parallel Lines Cut by a Transversal · 11

m∠5 = (3x + 33)° and m∠4 = 63°. Find x.



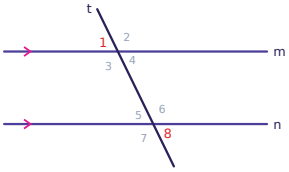
Parallel Lines Cut by a Transversal · 12

Name the relationship between ∠2 and ∠7: corresponding, alternate interior, alternate exterior, or same-side interior.



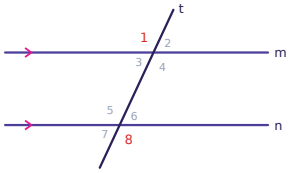
Parallel Lines Cut by a Transversal · 13

m∠1 = (6x - 2)° and m∠8 = (5x + 9)°. Find x.



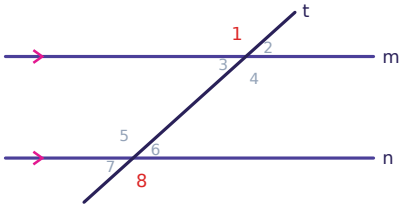
Parallel Lines Cut by a Transversal · 14

m∠1 = (11x + 27)° and m∠8 = 115°. Find x.



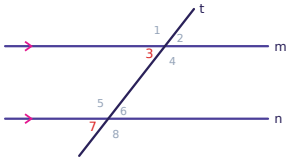
Parallel Lines Cut by a Transversal · 15

m∠1 = 138°. Find m∠8.



Parallel Lines Cut by a Transversal · 16

m∠7 = (7x + 24)° and m∠3 = 52°. Find x.



Parallel Lines Cut by a Transversal · 10

ANSWER

114°

Parallel Lines Cut by a Transversal · 9

ANSWER

10

Parallel Lines Cut by a Transversal · 12

ANSWER

alternate exterior

Parallel Lines Cut by a Transversal · 11

ANSWER

10

Parallel Lines Cut by a Transversal · 14

ANSWER

8

Parallel Lines Cut by a Transversal · 13

ANSWER

11

Parallel Lines Cut by a Transversal · 16

ANSWER

4

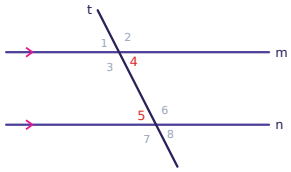
Parallel Lines Cut by a Transversal · 15

ANSWER

138°

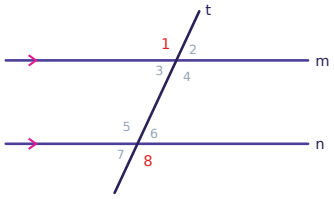
Parallel Lines Cut by a Transversal · 17

$m\angle 4 = (3x + 21)°$ and $m\angle 5 = 63°$. Find x.



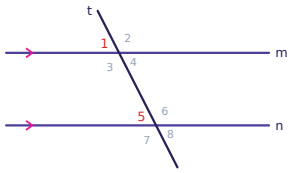
Parallel Lines Cut by a Transversal · 18

$m\angle 8 = (7x + 66)°$ and $m\angle 1 = (9x + 52)°$. Find $m\angle 1$.



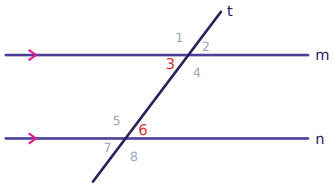
Parallel Lines Cut by a Transversal · 19

$m\angle 1 = (5x + 18)°$ and $m\angle 5 = 63°$. Find x.



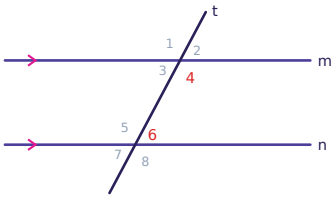
Parallel Lines Cut by a Transversal · 20

$m\angle 3 = (2x + 33)°$ and $m\angle 6 = (7x - 17)°$. Find $m\angle 6$.



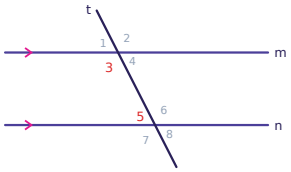
Parallel Lines Cut by a Transversal · 21

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



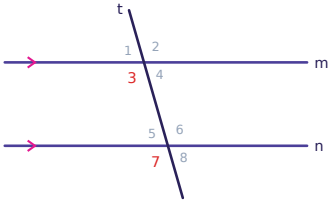
Parallel Lines Cut by a Transversal · 22

$m\angle 3 = (13x + 78)°$ and $m\angle 5 = 63°$. Find x.



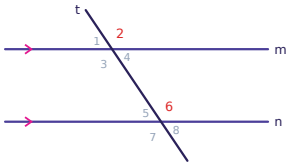
Parallel Lines Cut by a Transversal · 23

$m\angle 7 = (7x + 22)°$ and $m\angle 3 = (6x + 34)°$. Find $m\angle 3$.



Parallel Lines Cut by a Transversal · 24

$m\angle 2 = (12x + 4)°$ and $m\angle 6 = 124°$. Find x.



Parallel Lines Cut by a Transversal · 18

ANSWER

115°

Parallel Lines Cut by a Transversal · 17

ANSWER

14

Parallel Lines Cut by a Transversal · 20

ANSWER

53°

Parallel Lines Cut by a Transversal · 19

ANSWER

9

Parallel Lines Cut by a Transversal · 22

ANSWER

3

Parallel Lines Cut by a Transversal · 21

ANSWER

same-side interior

Parallel Lines Cut by a Transversal · 24

ANSWER

10

Parallel Lines Cut by a Transversal · 23

ANSWER

106°