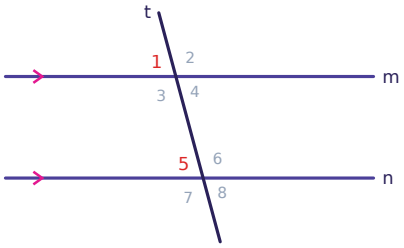
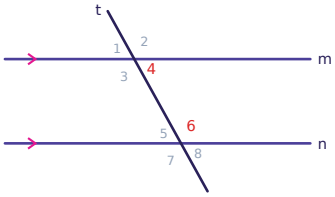
Parallel Lines Cut by a Transversal · 1

m∠1 = 75°. Find m∠5.



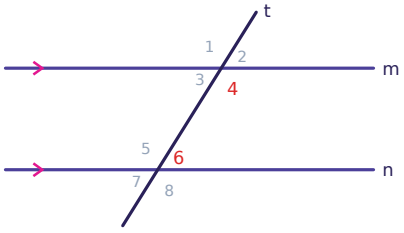
Parallel Lines Cut by a Transversal · 2

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



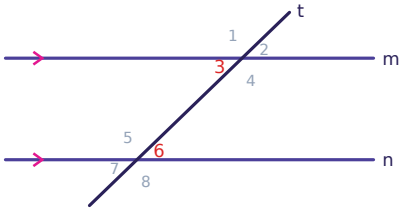
Parallel Lines Cut by a Transversal · 3

m∠4 = 122°. Find m∠6.



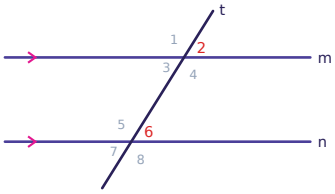
Parallel Lines Cut by a Transversal · 4

m∠6 = 44°. Find m∠3.



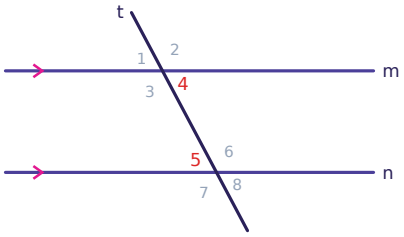
Parallel Lines Cut by a Transversal · 5

Name the relationship between ∠2 and ∠6: corresponding, alternate interior, alternate exterior, or same-side interior.



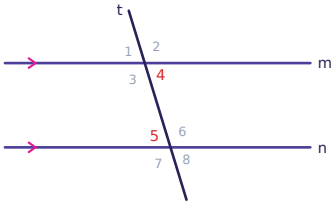
Parallel Lines Cut by a Transversal · 6

m∠4 = 62°. Find m∠5.



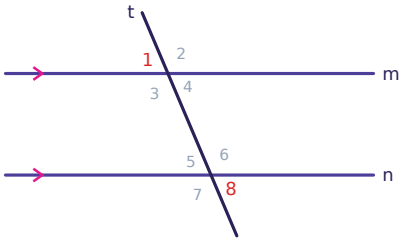
Parallel Lines Cut by a Transversal · 7

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



Parallel Lines Cut by a Transversal · 8

m∠1 = 67°. Find m∠8.



Parallel Lines Cut by a Transversal · 2

ANSWER

same-side interior

Parallel Lines Cut by a Transversal · 1

ANSWER

75°

Parallel Lines Cut by a Transversal · 4

ANSWER

44°

Parallel Lines Cut by a Transversal · 3

ANSWER

58°

Parallel Lines Cut by a Transversal · 6

ANSWER

62°

Parallel Lines Cut by a Transversal · 5

ANSWER

corresponding

Parallel Lines Cut by a Transversal · 8

ANSWER

67°

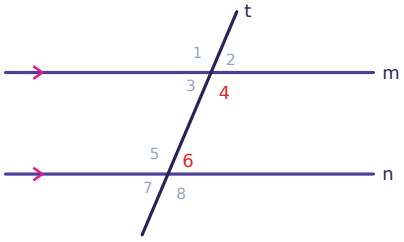
Parallel Lines Cut by a Transversal · 7

ANSWER

alternate interior

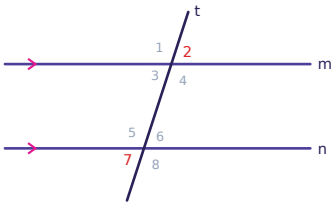
Parallel Lines Cut by a Transversal · 9

m∠6 = 67°. Find m∠4.



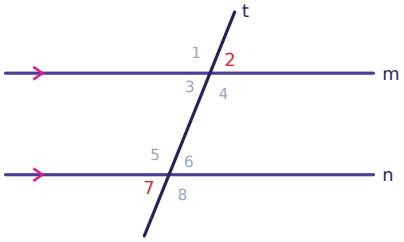
Parallel Lines Cut by a Transversal · 10

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



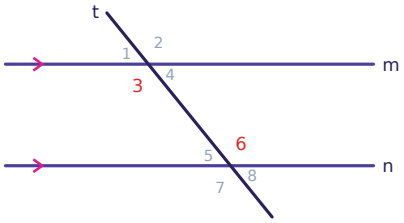
Parallel Lines Cut by a Transversal · 11

m∠2 = 68°. Find m∠7.



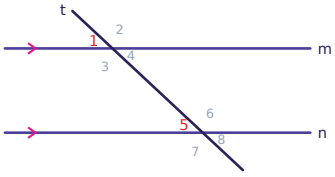
Parallel Lines Cut by a Transversal · 12

m∠3 = 129°. Find m∠6.



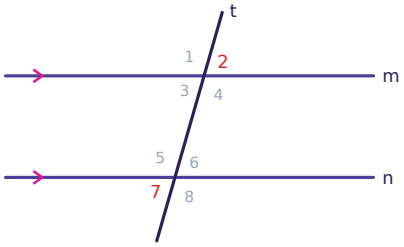
Parallel Lines Cut by a Transversal · 13

Name the relationship between ∠5 and ∠1: corresponding, alternate interior, alternate exterior, or same-side interior.



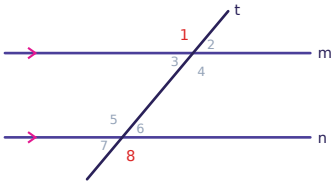
Parallel Lines Cut by a Transversal · 14

m∠7 = 74°. Find m∠2.



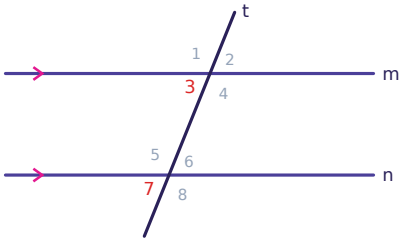
Parallel Lines Cut by a Transversal · 15

Name the relationship between ∠8 and ∠1: corresponding, alternate interior, alternate exterior, or same-side interior.



Parallel Lines Cut by a Transversal · 16

m∠3 = 68°. Find m∠7.



Parallel Lines Cut by a Transversal · 10

ANSWER

alternate exterior

Parallel Lines Cut by a Transversal · 9

ANSWER

113°

Parallel Lines Cut by a Transversal · 12

ANSWER

129°

Parallel Lines Cut by a Transversal · 11

ANSWER

68°

Parallel Lines Cut by a Transversal · 14

ANSWER

74°

Parallel Lines Cut by a Transversal · 13

ANSWER

corresponding

Parallel Lines Cut by a Transversal · 16

ANSWER

68°

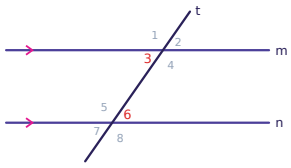
Parallel Lines Cut by a Transversal · 15

ANSWER

alternate exterior

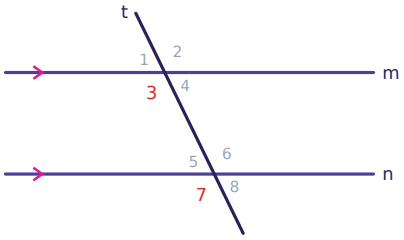
Parallel Lines Cut by a Transversal · 17

$m\angle 6 = (4x + 31)°$ and $m\angle 3 = 55°$. Find x.



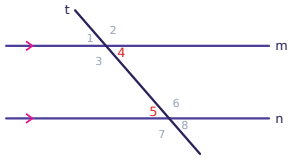
Parallel Lines Cut by a Transversal · 18

$m\angle 3 = 116°$. Find $m\angle 7$.



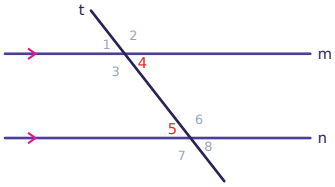
Parallel Lines Cut by a Transversal · 19

$m\angle 5 = 7x°$ and $m\angle 4 = 49°$. Find x.



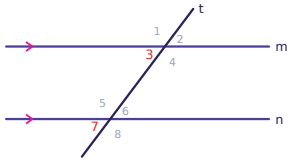
Parallel Lines Cut by a Transversal · 20

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



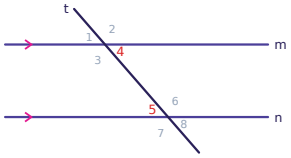
Parallel Lines Cut by a Transversal · 21

$m\angle 3 = (7x + 25)°$ and $m\angle 7 = 53°$. Find x.



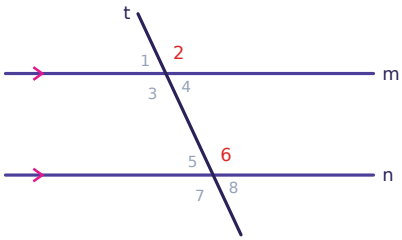
Parallel Lines Cut by a Transversal · 22

$m\angle 4 = (6x - 5)°$ and $m\angle 5 = (x + 40)°$. Find x.



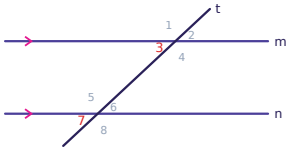
Parallel Lines Cut by a Transversal · 23

$m\angle 6 = 115°$. Find $m\angle 2$.



Parallel Lines Cut by a Transversal · 24

$m\angle 3 = (5x + 8)°$ and $m\angle 7 = 43°$. Find x.



Parallel Lines Cut by a Transversal · 18

ANSWER

116°

Parallel Lines Cut by a Transversal · 17

ANSWER

6

Parallel Lines Cut by a Transversal · 20

ANSWER

alternate interior

Parallel Lines Cut by a Transversal · 19

ANSWER

7

Parallel Lines Cut by a Transversal · 22

ANSWER

9

Parallel Lines Cut by a Transversal · 21

ANSWER

4

Parallel Lines Cut by a Transversal · 24

ANSWER

7

Parallel Lines Cut by a Transversal · 23

ANSWER

115°