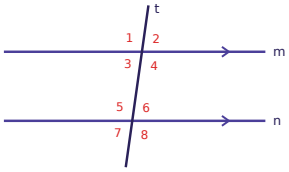
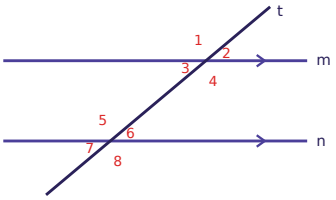
Parallel Lines & Transversals · 1

∠2 = 82°. Find the measure of ∠1.



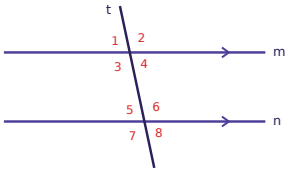
Parallel Lines & Transversals · 2

What kind of angle pair are ∠3 and ∠6: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



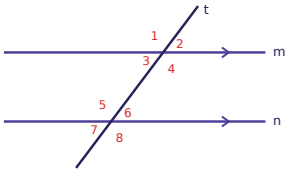
Parallel Lines & Transversals · 3

∠2 = 102°. Find the measure of ∠7.



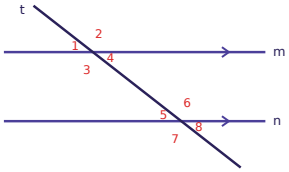
Parallel Lines & Transversals · 4

∠2 = (3x + 38)° and ∠7 = (6x + 23)°. Find x.



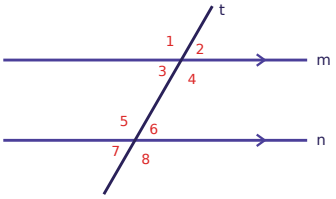
Parallel Lines & Transversals · 5

∠1 = 38°. Find the measure of ∠6.



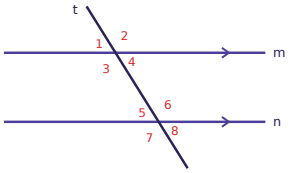
Parallel Lines & Transversals · 6

What kind of angle pair are ∠1 and ∠8: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



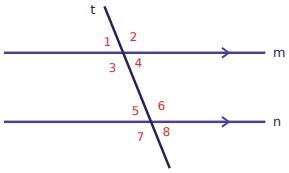
Parallel Lines & Transversals · 7

∠6 = 122°. Find the measure of ∠7.



Parallel Lines & Transversals · 8

∠1 = (2x + 50)° and ∠5 = (5x + 23)°. Find x.



Parallel Lines & Transversals · 2

ANSWER

alternate interior

Parallel Lines & Transversals · 1

ANSWER

98

Parallel Lines & Transversals · 4

ANSWER

x = 5

Parallel Lines & Transversals · 3

ANSWER

102

Parallel Lines & Transversals · 6

ANSWER

alternate exterior

Parallel Lines & Transversals · 5

ANSWER

142

Parallel Lines & Transversals · 8

ANSWER

x = 9

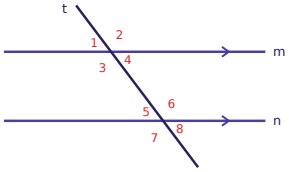
Parallel Lines & Transversals · 7

ANSWER

122

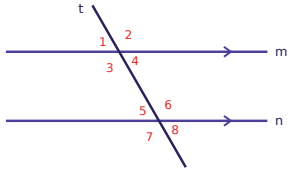
Parallel Lines & Transversals · 9

∠6 = (5x + 57)° and ∠7 = (2x + 99)°. Find x.



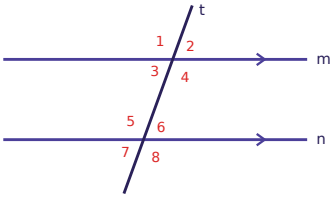
Parallel Lines & Transversals · 10

∠1 = 60°. Find the measure of ∠7.



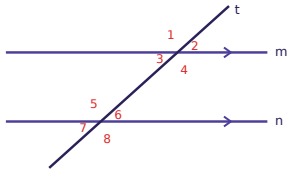
Parallel Lines & Transversals · 11

What kind of angle pair are ∠4 and ∠8: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



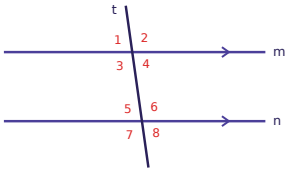
Parallel Lines & Transversals · 12

∠2 = (3x + 24)° and ∠3 = (4x + 18)°. Find x.



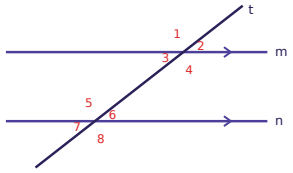
Parallel Lines & Transversals · 13

∠2 = (4x + 38)° and ∠3 = (2x + 68)°. Find x.



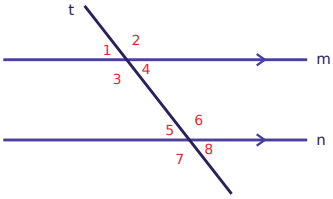
Parallel Lines & Transversals · 14

∠8 = 142°. Find the measure of ∠5.



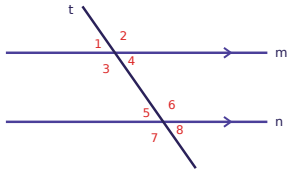
Parallel Lines & Transversals · 15

What kind of angle pair are ∠7 and ∠6: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



Parallel Lines & Transversals · 16

∠4 = (5x - 15)° and ∠5 = (6x - 29)°. Find x.



Parallel Lines & Transversals · 10

ANSWER

120

Parallel Lines & Transversals · 9

ANSWER

x = 14

Parallel Lines & Transversals · 12

ANSWER

x = 6

Parallel Lines & Transversals · 11

ANSWER

corresponding

Parallel Lines & Transversals · 14

ANSWER

142

Parallel Lines & Transversals · 13

ANSWER

x = 15

Parallel Lines & Transversals · 16

ANSWER

x = 14

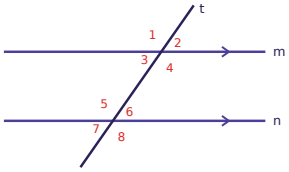
Parallel Lines & Transversals · 15

ANSWER

vertical

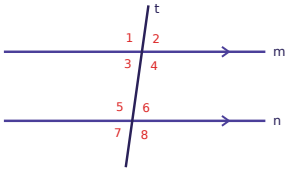
Parallel Lines & Transversals · 17

∠3 = (2x + 37)° and ∠5 = (5x + 80)°. Find x.



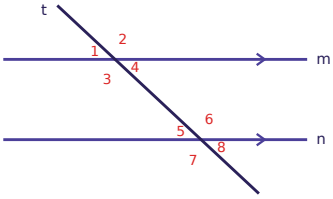
Parallel Lines & Transversals · 18

∠5 = 98°. Find the measure of ∠1.



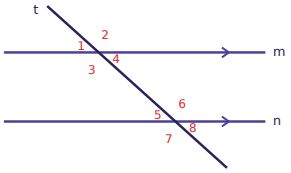
Parallel Lines & Transversals · 19

What kind of angle pair are ∠6 and ∠7: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



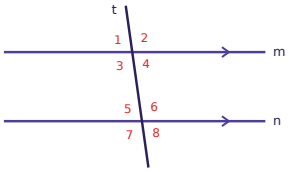
Parallel Lines & Transversals · 20

∠4 = (4x + 6)° and ∠5 = (6x - 12)°. Find x.



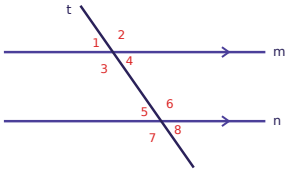
Parallel Lines & Transversals · 21

∠4 = (4x + 50)° and ∠5 = (3x + 58)°. Find x.



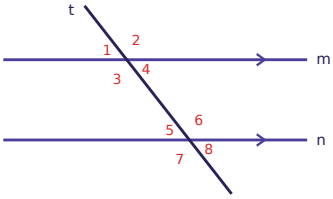
Parallel Lines & Transversals · 22

∠4 = 55°. Find the measure of ∠1.



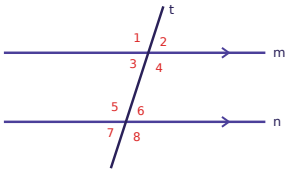
Parallel Lines & Transversals · 23

What kind of angle pair are ∠1 and ∠4: corresponding, alternate interior, alternate exterior, same-side interior, or vertical?



Parallel Lines & Transversals · 24

∠4 = (3x + 72)° and ∠8 = (4x + 60)°. Find x.



Parallel Lines & Transversals · 18

ANSWER

98

Parallel Lines & Transversals · 17

ANSWER

x = 9

Parallel Lines & Transversals · 20

ANSWER

x = 9

Parallel Lines & Transversals · 19

ANSWER

vertical

Parallel Lines & Transversals · 22

ANSWER

55

Parallel Lines & Transversals · 21

ANSWER

x = 8

Parallel Lines & Transversals · 24

ANSWER

x = 12

Parallel Lines & Transversals · 23

ANSWER

vertical