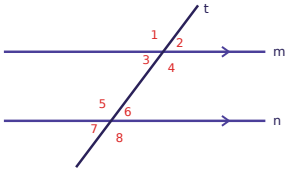
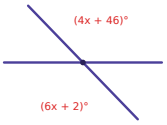
All Angle Relationships: Mixed Review · 1

∠5 = (4x + 7)° and ∠7 = (3x - 37)°. Find x.



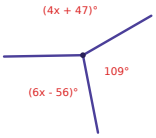
All Angle Relationships: Mixed Review · 2

Two lines cross. Find x.



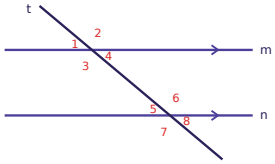
All Angle Relationships: Mixed Review · 3

The three angles meet at a point. Find x.



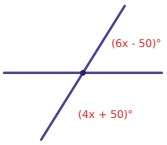
All Angle Relationships: Mixed Review · 4

What kind of angle pair are ∠6 and ∠4: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



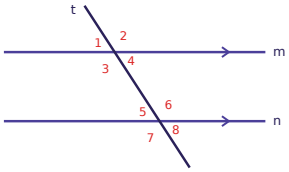
All Angle Relationships: Mixed Review · 5

Two lines cross. Find x.



All Angle Relationships: Mixed Review · 6

∠3 = (6x + 27)° and ∠8 = (2x + 25)°. Find x.



All Angle Relationships: Mixed Review · 7

∠A = (5x + 15)° and ∠B = (4x + 21)° are supplementary. Find x.

All Angle Relationships: Mixed Review · 8

Two angles measure 78° and 106°. Are they complementary, supplementary, or neither?

All Angle Relationships: Mixed Review · 2

ANSWER

x = 22

All Angle Relationships: Mixed Review · 1

ANSWER

x = 30

All Angle Relationships: Mixed Review · 4

ANSWER

same-side interior

All Angle Relationships: Mixed Review · 3

ANSWER

x = 26

All Angle Relationships: Mixed Review · 6

ANSWER

x = 16

All Angle Relationships: Mixed Review · 5

ANSWER

x = 18

All Angle Relationships: Mixed Review · 8

ANSWER

neither

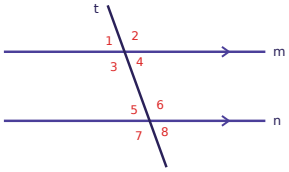
All Angle Relationships: Mixed Review · 7

ANSWER

x = 16

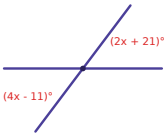
All Angle Relationships: Mixed Review · 9

∠4 = (3x + 7)° and ∠2 = (4x + 26)°. Find x.



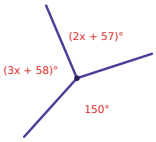
All Angle Relationships: Mixed Review · 10

Two lines cross. Find x.



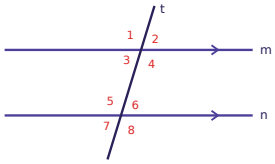
All Angle Relationships: Mixed Review · 11

The three angles meet at a point. Find x.



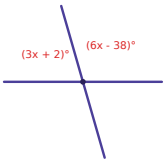
All Angle Relationships: Mixed Review · 12

What kind of angle pair are ∠3 and ∠5: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



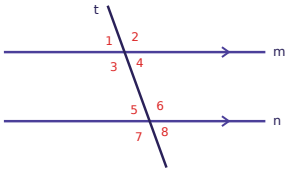
All Angle Relationships: Mixed Review · 13

Two lines cross. Find x.



All Angle Relationships: Mixed Review · 14

∠4 = (2x + 42)° and ∠8 = (4x + 14)°. Find x.



All Angle Relationships: Mixed Review · 15

∠A = (5x - 7)° and ∠B = (2x + 41)° are complementary. Find x.

All Angle Relationships: Mixed Review · 16

Two angles measure 75° and 109°. Are they complementary, supplementary, or neither?

All Angle Relationships: Mixed Review · 10

ANSWER

x = 16

All Angle Relationships: Mixed Review · 9

ANSWER

x = 21

All Angle Relationships: Mixed Review · 12

ANSWER

same-side interior

All Angle Relationships: Mixed Review · 11

ANSWER

x = 19

All Angle Relationships: Mixed Review · 14

ANSWER

x = 14

All Angle Relationships: Mixed Review · 13

ANSWER

x = 24

All Angle Relationships: Mixed Review · 16

ANSWER

neither

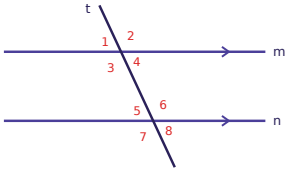
All Angle Relationships: Mixed Review · 15

ANSWER

x = 8

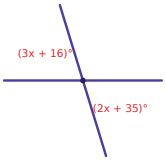
All Angle Relationships: Mixed Review · 17

∠4 = (x + 45)° and ∠2 = (6x - 5)°. Find x.



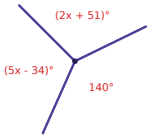
All Angle Relationships: Mixed Review · 18

Two lines cross. Find x.



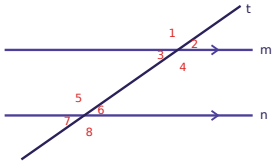
All Angle Relationships: Mixed Review · 19

The three angles meet at a point. Find x.



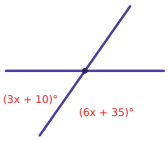
All Angle Relationships: Mixed Review · 20

What kind of angle pair are ∠5 and ∠8: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



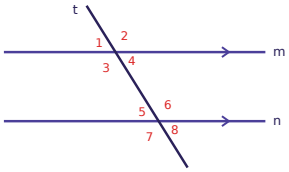
All Angle Relationships: Mixed Review · 21

Two lines cross. Find x.



All Angle Relationships: Mixed Review · 22

∠4 = (5x - 17)° and ∠1 = (6x - 32)°. Find x.



All Angle Relationships: Mixed Review · 23

∠A = (2x + 7)° and ∠B = (4x - 19)° are complementary. Find x.

All Angle Relationships: Mixed Review · 24

Two angles measure 71° and 115°. Are they complementary, supplementary, or neither?

All Angle Relationships: Mixed Review · 18

ANSWER

x = 19

All Angle Relationships: Mixed Review · 17

ANSWER

x = 20

All Angle Relationships: Mixed Review · 20

ANSWER

vertical

All Angle Relationships: Mixed Review · 19

ANSWER

x = 29

All Angle Relationships: Mixed Review · 22

ANSWER

x = 15

All Angle Relationships: Mixed Review · 21

ANSWER

x = 15

All Angle Relationships: Mixed Review · 24

ANSWER

neither

All Angle Relationships: Mixed Review · 23

ANSWER

x = 17