All Angle Relationships: Mixed Review · 1

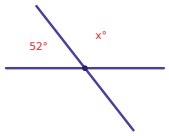
What is the name for two adjacent angles whose outer sides make a straight line? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

All Angle Relationships: Mixed Review · 2

∠P and ∠Q are complementary. ∠P = 73°. Find the measure of ∠Q.

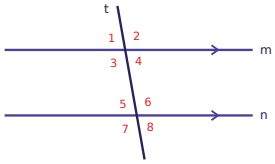
All Angle Relationships: Mixed Review · 3

Two lines cross. Find the value of x.



All Angle Relationships: Mixed Review · 4

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

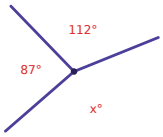


All Angle Relationships: Mixed Review · 5

∠1 and ∠2 are supplementary. ∠1 = 37°. Find the measure of ∠2.

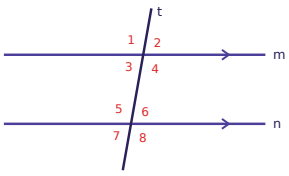
All Angle Relationships: Mixed Review · 6

The angles meet at a point. Find the value of x.



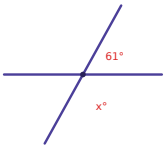
All Angle Relationships: Mixed Review · 7

∠3 = 80°. Find the measure of ∠2.



All Angle Relationships: Mixed Review · 8

Two lines cross. Find the value of x.



All Angle Relationships: Mixed Review · 2

ANSWER

17

All Angle Relationships: Mixed Review · 1

ANSWER

linear pair

All Angle Relationships: Mixed Review · 4

ANSWER

vertical

All Angle Relationships: Mixed Review · 3

ANSWER

128

All Angle Relationships: Mixed Review · 6

ANSWER

161

All Angle Relationships: Mixed Review · 5

ANSWER

143

All Angle Relationships: Mixed Review · 8

ANSWER

119

All Angle Relationships: Mixed Review · 7

ANSWER

80

All Angle Relationships: Mixed Review · 9

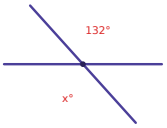
What is the name for two angles whose measures add up to 180°? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

All Angle Relationships: Mixed Review · 10

∠1 and ∠2 are complementary. ∠1 = 39°. Find the measure of ∠2.

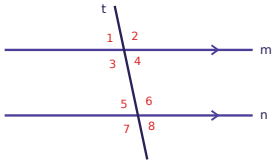
All Angle Relationships: Mixed Review · 11

Two lines cross. Find the value of x.



All Angle Relationships: Mixed Review · 12

What kind of angle pair are ∠4 and ∠5: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?

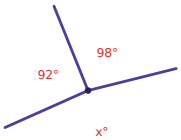


All Angle Relationships: Mixed Review · 13

∠A and ∠B are supplementary. ∠A = 96°. Find the measure of ∠B.

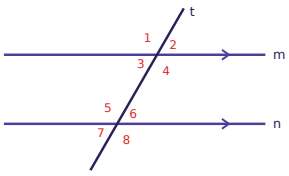
All Angle Relationships: Mixed Review · 14

The angles meet at a point. Find the value of x.



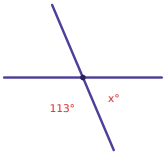
All Angle Relationships: Mixed Review · 15

∠7 = 60°. Find the measure of ∠5.



All Angle Relationships: Mixed Review · 16

Two lines cross. Find the value of x.



All Angle Relationships: Mixed Review · 10

ANSWER

51

All Angle Relationships: Mixed Review · 9

ANSWER

supplementary

All Angle Relationships: Mixed Review · 12

ANSWER

alternate interior

All Angle Relationships: Mixed Review · 11

ANSWER

132

All Angle Relationships: Mixed Review · 14

ANSWER

170

All Angle Relationships: Mixed Review · 13

ANSWER

84

All Angle Relationships: Mixed Review · 16

ANSWER

67

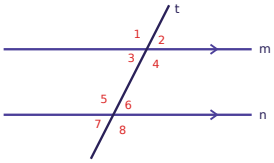
All Angle Relationships: Mixed Review · 15

ANSWER

120

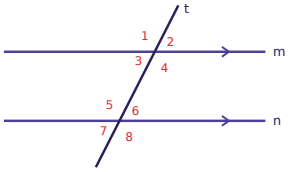
All Angle Relationships: Mixed Review · 17

What kind of angle pair are ∠2 and ∠4: corresponding, alternate interior, alternate exterior, same-side interior, vertical, or linear pair?



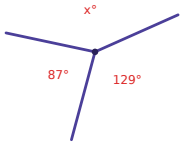
All Angle Relationships: Mixed Review · 18

∠8 = 117°. Find the measure of ∠7.



All Angle Relationships: Mixed Review · 19

The angles meet at a point. Find the value of x.

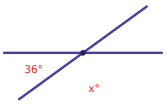


All Angle Relationships: Mixed Review · 20

Two angles measure 40° and 140°. Are they complementary, supplementary, or neither?

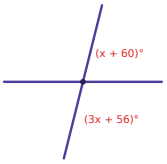
All Angle Relationships: Mixed Review · 21

Two lines cross. Find the value of x.



All Angle Relationships: Mixed Review · 22

Two lines cross. Find x.

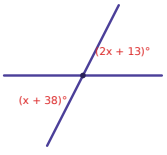


All Angle Relationships: Mixed Review · 23

What is the name for two angles opposite each other where two lines cross? Choose: complementary, supplementary, vertical, adjacent, linear pair, or angles at a point.

All Angle Relationships: Mixed Review · 24

Two lines cross. Find x.



All Angle Relationships: Mixed Review · 18

ANSWER

63

All Angle Relationships: Mixed Review · 17

ANSWER

linear pair

All Angle Relationships: Mixed Review · 20

ANSWER

supplementary

All Angle Relationships: Mixed Review · 19

ANSWER

144

All Angle Relationships: Mixed Review · 22

ANSWER

x = 16

All Angle Relationships: Mixed Review · 21

ANSWER

144

All Angle Relationships: Mixed Review · 24

ANSWER

x = 25

All Angle Relationships: Mixed Review · 23

ANSWER

vertical