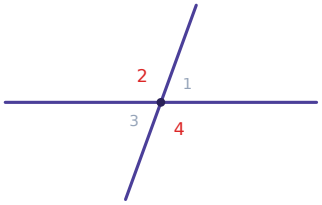
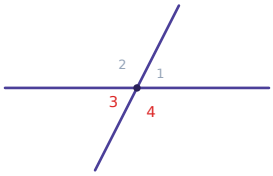
Angle Pairs: Complementary, Supplementary & Vertical · 1

$m\angle 4 = (8x + 62)°$ and $m\angle 2 = (7x + 68)°$. Find $m\angle 4$.



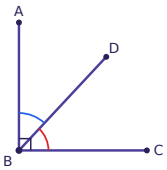
Angle Pairs: Complementary, Supplementary & Vertical · 2

$\angle 3$ and $\angle 4$ form a linear pair. $m\angle 3 = (4x + 15)°$ and $m\angle 4 = (7x + 33)°$. Find $m\angle 4$.



Angle Pairs: Complementary, Supplementary & Vertical · 3

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (6x + 7)°$ and $m\angle DBC = (6x + 11)°$. Find $m\angle ABD$.

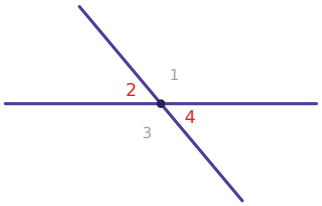


Angle Pairs: Complementary, Supplementary & Vertical · 4

The supplement of an angle is 4 times its complement. Find the measure of the angle.

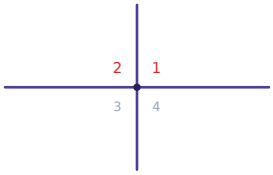
Angle Pairs: Complementary, Supplementary & Vertical · 5

$m\angle 4 = (x + 40)°$ and $m\angle 2 = (2x + 30)°$. Find $m\angle 4$.



Angle Pairs: Complementary, Supplementary & Vertical · 6

$\angle 1$ and $\angle 2$ form a linear pair. $m\angle 1 = (7x + 27)°$ and $m\angle 2 = (7x + 27)°$. Find $m\angle 2$.

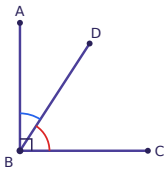


Angle Pairs: Complementary, Supplementary & Vertical · 7

An angle measures 10° less than 4 times its supplement. Find the measure of the angle.

Angle Pairs: Complementary, Supplementary & Vertical · 8

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (x + 28)°$ and $m\angle DBC = (7x + 22)°$. Find $m\angle ABD$.



Angle Pairs: Complementary, Supplementary & Vertical · 2

ANSWER

117°

Angle Pairs: Complementary, Supplementary & Vertical · 1

ANSWER

110°

Angle Pairs: Complementary, Supplementary & Vertical · 4

ANSWER

60°

Angle Pairs: Complementary, Supplementary & Vertical · 3

ANSWER

43°

Angle Pairs: Complementary, Supplementary & Vertical · 6

ANSWER

90°

Angle Pairs: Complementary, Supplementary & Vertical · 5

ANSWER

50°

Angle Pairs: Complementary, Supplementary & Vertical · 8

ANSWER

33°

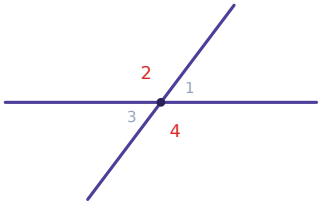
Angle Pairs: Complementary, Supplementary & Vertical · 7

ANSWER

142°

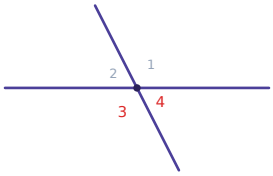
Angle Pairs: Complementary, Supplementary & Vertical · 9

$m\angle 4 = (6x + 73)°$ and $m\angle 2 = (11x + 28)°$. Find $m\angle 4$.



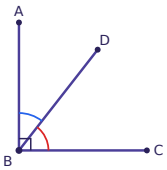
Angle Pairs: Complementary, Supplementary & Vertical · 10

$\angle 3$ and $\angle 4$ form a linear pair. $m\angle 3 = (5x + 82)°$ and $m\angle 4 = (7x + 14)°$. Find $m\angle 4$.



Angle Pairs: Complementary, Supplementary & Vertical · 11

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (4x + 22)°$ and $m\angle DBC = (5x + 32)°$. Find $m\angle ABD$.

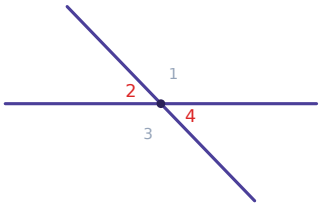


Angle Pairs: Complementary, Supplementary & Vertical · 12

An angle measures 10° more than 4 times its complement. Find the measure of the angle.

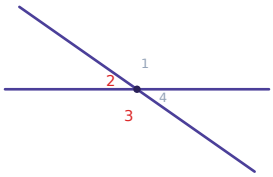
Angle Pairs: Complementary, Supplementary & Vertical · 13

$m\angle 4 = (6x - 26)°$ and $m\angle 2 = (3x + 10)°$. Find $m\angle 4$.



Angle Pairs: Complementary, Supplementary & Vertical · 14

$\angle 2$ and $\angle 3$ form a linear pair. $m\angle 2 = 7x°$ and $m\angle 3 = (11x + 90)°$. Find $m\angle 3$.

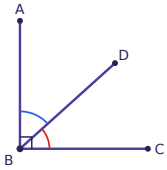


Angle Pairs: Complementary, Supplementary & Vertical · 15

The supplement of an angle is 10 times its complement. Find the measure of the angle.

Angle Pairs: Complementary, Supplementary & Vertical · 16

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = 6x°$ and $m\angle DBC = (4x + 10)°$. Find $m\angle ABD$.



Angle Pairs: Complementary, Supplementary & Vertical · 10

ANSWER

63°

Angle Pairs: Complementary, Supplementary & Vertical · 9

ANSWER

127°

Angle Pairs: Complementary, Supplementary & Vertical · 12

ANSWER

74°

Angle Pairs: Complementary, Supplementary & Vertical · 11

ANSWER

38°

Angle Pairs: Complementary, Supplementary & Vertical · 14

ANSWER

145°

Angle Pairs: Complementary, Supplementary & Vertical · 13

ANSWER

46°

Angle Pairs: Complementary, Supplementary & Vertical · 16

ANSWER

48°

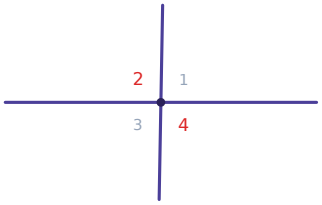
Angle Pairs: Complementary, Supplementary & Vertical · 15

ANSWER

80°

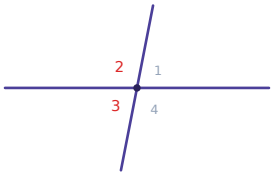
Angle Pairs: Complementary, Supplementary & Vertical · 17

$m\angle 4 = (4x + 31)°$ and $m\angle 2 = (6x + 1)°$. Find $m\angle 4$.



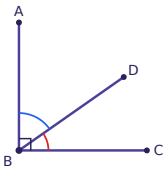
Angle Pairs: Complementary, Supplementary & Vertical · 18

$\angle 2$ and $\angle 3$ form a linear pair. $m\angle 2 = (9x + 38)°$ and $m\angle 3 = (5x + 44)°$. Find $m\angle 3$.



Angle Pairs: Complementary, Supplementary & Vertical · 19

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (5x + 20)°$ and $m\angle DBC = (7x - 14)°$. Find $m\angle ABD$.

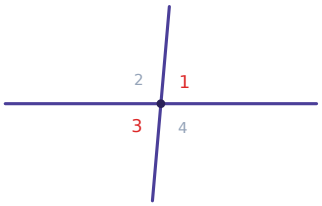


Angle Pairs: Complementary, Supplementary & Vertical · 20

The supplement of an angle is 6 times its complement. Find the measure of the angle.

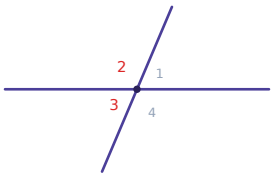
Angle Pairs: Complementary, Supplementary & Vertical · 21

$m\angle 1 = (7x - 6)°$ and $m\angle 3 = (4x + 33)°$. Find $m\angle 1$.



Angle Pairs: Complementary, Supplementary & Vertical · 22

$\angle 2$ and $\angle 3$ form a linear pair. $m\angle 2 = (7x + 36)°$ and $m\angle 3 = (2x + 45)°$. Find $m\angle 3$.

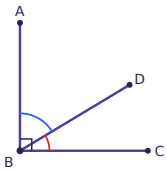


Angle Pairs: Complementary, Supplementary & Vertical · 23

An angle measures 35° more than 4 times its supplement. Find the measure of the angle.

Angle Pairs: Complementary, Supplementary & Vertical · 24

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (3x + 20)°$ and $m\angle DBC = (4x - 21)°$. Find $m\angle ABD$.



Angle Pairs: Complementary, Supplementary & Vertical · 18

ANSWER

79°

Angle Pairs: Complementary, Supplementary & Vertical · 17

ANSWER

91°

Angle Pairs: Complementary, Supplementary & Vertical · 20

ANSWER

72°

Angle Pairs: Complementary, Supplementary & Vertical · 19

ANSWER

55°

Angle Pairs: Complementary, Supplementary & Vertical · 22

ANSWER

67°

Angle Pairs: Complementary, Supplementary & Vertical · 21

ANSWER

85°

Angle Pairs: Complementary, Supplementary & Vertical · 24

ANSWER

59°

Angle Pairs: Complementary, Supplementary & Vertical · 23

ANSWER

151°