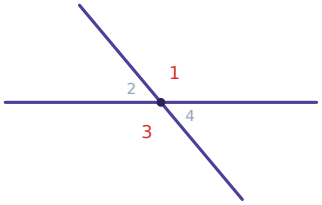
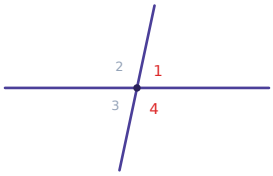
Angle Pairs: Complementary, Supplementary & Vertical · 1

$m\angle 3 = (11x + 64)°$ and $m\angle 1 = (7x + 88)°$. Find x.



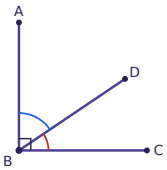
Angle Pairs: Complementary, Supplementary & Vertical · 2

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (7x + 25)°$ and $m\angle 1 = (7x + 1)°$. Find x.



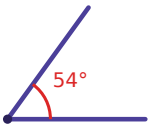
Angle Pairs: Complementary, Supplementary & Vertical · 3

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (7x + 14)°$ and $m\angle DBC = (3x + 16)°$. Find x.



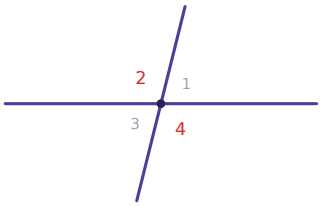
Angle Pairs: Complementary, Supplementary & Vertical · 4

An angle measures 54°. Find the measure of its complement.



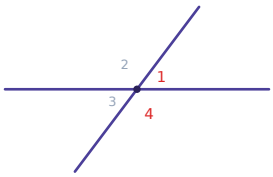
Angle Pairs: Complementary, Supplementary & Vertical · 5

$m\angle 2 = (7x + 41)°$ and $m\angle 4 = (4x + 68)°$. Find x.



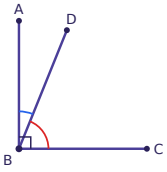
Angle Pairs: Complementary, Supplementary & Vertical · 6

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (15x - 38)°$ and $m\angle 1 = (6x - 13)°$. Find x.



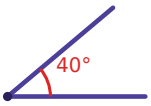
Angle Pairs: Complementary, Supplementary & Vertical · 7

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (7x + 1)°$ and $m\angle DBC = (7x + 47)°$. Find x.



Angle Pairs: Complementary, Supplementary & Vertical · 8

An angle measures 40°. Find the measure of its complement.



Angle Pairs: Complementary, Supplementary & Vertical · 2

ANSWER

11

Angle Pairs: Complementary, Supplementary & Vertical · 1

ANSWER

6

Angle Pairs: Complementary, Supplementary & Vertical · 4

ANSWER

36°

Angle Pairs: Complementary, Supplementary & Vertical · 3

ANSWER

6

Angle Pairs: Complementary, Supplementary & Vertical · 6

ANSWER

11

Angle Pairs: Complementary, Supplementary & Vertical · 5

ANSWER

9

Angle Pairs: Complementary, Supplementary & Vertical · 8

ANSWER

50°

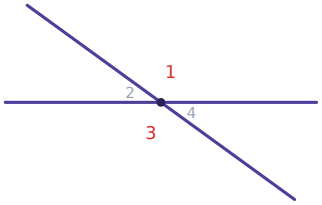
Angle Pairs: Complementary, Supplementary & Vertical · 7

ANSWER

3

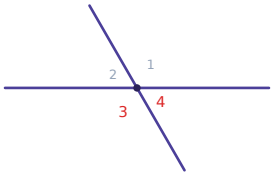
Angle Pairs: Complementary, Supplementary & Vertical · 9

$m\angle 1 = (9x + 90)°$ and $m\angle 3 = (15x + 54)°$. Find x.



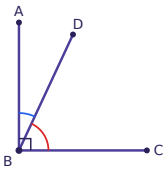
Angle Pairs: Complementary, Supplementary & Vertical · 10

$\angle 3$ and $\angle 4$ form a linear pair. $m\angle 3 = (10x + 90)°$ and $m\angle 4 = (5x + 45)°$. Find x.



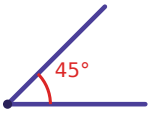
Angle Pairs: Complementary, Supplementary & Vertical · 11

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (5x - 20)°$ and $m\angle DBC = (7x + 2)°$. Find x.



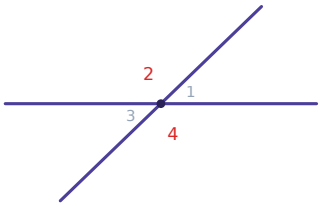
Angle Pairs: Complementary, Supplementary & Vertical · 12

An angle measures 45°. Find the measure of its complement.



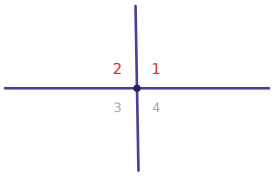
Angle Pairs: Complementary, Supplementary & Vertical · 13

$m\angle 4 = (10x + 16)°$ and $m\angle 2 = (6x + 64)°$. Find x.



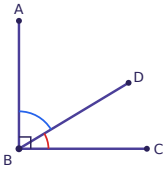
Angle Pairs: Complementary, Supplementary & Vertical · 14

$\angle 1$ and $\angle 2$ form a linear pair. $m\angle 1 = (3x + 79)°$ and $m\angle 2 = (4x + 73)°$. Find x.



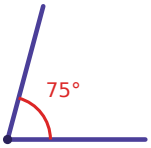
Angle Pairs: Complementary, Supplementary & Vertical · 15

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (3x + 35)°$ and $m\angle DBC = (2x + 15)°$. Find x.



Angle Pairs: Complementary, Supplementary & Vertical · 16

An angle measures 75°. Find the measure of its complement.



Angle Pairs: Complementary, Supplementary & Vertical · 10

ANSWER

3

Angle Pairs: Complementary, Supplementary & Vertical · 9

ANSWER

6

Angle Pairs: Complementary, Supplementary & Vertical · 12

ANSWER

45°

Angle Pairs: Complementary, Supplementary & Vertical · 11

ANSWER

9

Angle Pairs: Complementary, Supplementary & Vertical · 14

ANSWER

4

Angle Pairs: Complementary, Supplementary & Vertical · 13

ANSWER

12

Angle Pairs: Complementary, Supplementary & Vertical · 16

ANSWER

15°

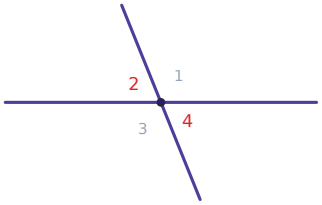
Angle Pairs: Complementary, Supplementary & Vertical · 15

ANSWER

8

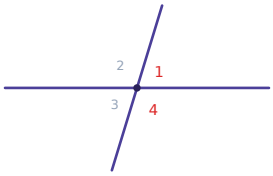
Angle Pairs: Complementary, Supplementary & Vertical · 17

$m\angle 2 = (7x - 2)°$ and $m\angle 4 = (6x + 8)°$. Find $m\angle 2$.



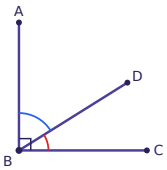
Angle Pairs: Complementary, Supplementary & Vertical · 18

$\angle 4$ and $\angle 1$ form a linear pair. $m\angle 4 = (8x + 59)°$ and $m\angle 1 = (5x + 43)°$. Find $m\angle 1$.



Angle Pairs: Complementary, Supplementary & Vertical · 19

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (3x + 40)°$ and $m\angle DBC = (4x + 8)°$. Find $m\angle ABD$.

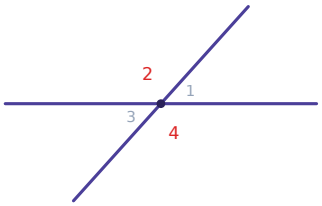


Angle Pairs: Complementary, Supplementary & Vertical · 20

An angle measures 9° more than 2 times its complement. Find the measure of the angle.

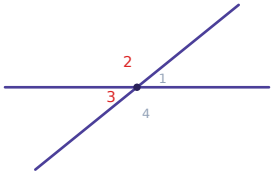
Angle Pairs: Complementary, Supplementary & Vertical · 21

$m\angle 2 = (15x + 87)°$ and $m\angle 4 = (14x + 90)°$. Find $m\angle 2$.



Angle Pairs: Complementary, Supplementary & Vertical · 22

$\angle 2$ and $\angle 3$ form a linear pair. $m\angle 2 = (14x + 85)°$ and $m\angle 3 = (5x + 19)°$. Find $m\angle 3$.

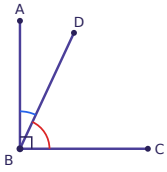


Angle Pairs: Complementary, Supplementary & Vertical · 23

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

Angle Pairs: Complementary, Supplementary & Vertical · 24

$\angle ABD$ and $\angle DBC$ are complementary. $m\angle ABD = (2x + 3)°$ and $m\angle DBC = (3x + 32)°$. Find $m\angle ABD$.



Angle Pairs: Complementary, Supplementary & Vertical · 18

ANSWER

73°

Angle Pairs: Complementary, Supplementary & Vertical · 17

ANSWER

68°

Angle Pairs: Complementary, Supplementary & Vertical · 20

ANSWER

63°

Angle Pairs: Complementary, Supplementary & Vertical · 19

ANSWER

58°

Angle Pairs: Complementary, Supplementary & Vertical · 22

ANSWER

39°

Angle Pairs: Complementary, Supplementary & Vertical · 21

ANSWER

132°

Angle Pairs: Complementary, Supplementary & Vertical · 24

ANSWER

25°

Angle Pairs: Complementary, Supplementary & Vertical · 23

ANSWER

80°