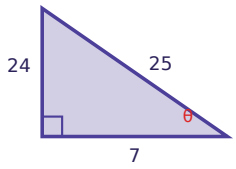
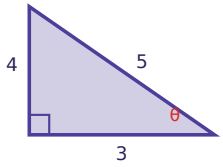
Trigonometric Ratios · 1

In a right triangle with legs 7 and 24 and hypotenuse 25, if θ is the angle opposite the side of length 24, find sin(θ).



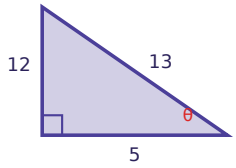
Trigonometric Ratios · 2

In a right triangle with legs 3 and 4 and hypotenuse 5, if θ is the angle opposite the side of length 4, find cos(θ).



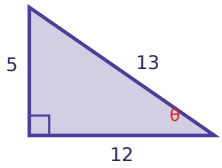
Trigonometric Ratios · 3

In a right triangle with legs 5 and 12 and hypotenuse 13, if θ is the angle opposite the side of length 12, find tan(θ).



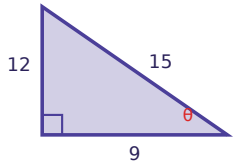
Trigonometric Ratios · 4

In a right triangle with legs 5 and 12 and hypotenuse 13, if θ is the angle opposite the side of length 5, find sin(θ).



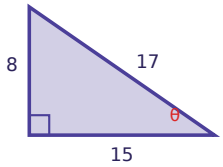
Trigonometric Ratios · 5

In a right triangle with legs 9 and 12 and hypotenuse 15, if θ is the angle opposite the side of length 12, find cos(θ).



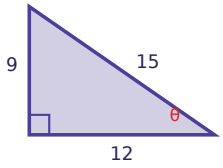
Trigonometric Ratios · 6

In a right triangle with legs 8 and 15 and hypotenuse 17, if θ is the angle opposite the side of length 8, find tan(θ).



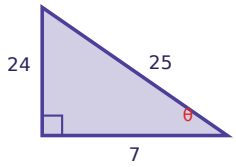
Trigonometric Ratios · 7

In a right triangle with legs 9 and 12 and hypotenuse 15, if θ is the angle opposite the side of length 9, find sin(θ).



Trigonometric Ratios · 8

In a right triangle with legs 7 and 24 and hypotenuse 25, if θ is the angle opposite the side of length 24, find cos(θ).



Trigonometric Ratios · 2

ANSWER

$$\frac{3}{5}$$

Trigonometric Ratios · 1

ANSWER

$$\frac{24}{25}$$

Trigonometric Ratios · 4

ANSWER

$$\frac{5}{13}$$

Trigonometric Ratios · 3

ANSWER

$$\frac{12}{5}$$

Trigonometric Ratios · 6

ANSWER

$$\frac{8}{15}$$

Trigonometric Ratios · 5

ANSWER

$$\frac{3}{5}$$

Trigonometric Ratios · 8

ANSWER

$$\frac{7}{25}$$

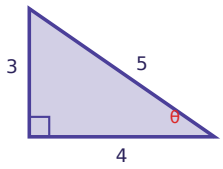
Trigonometric Ratios · 7

ANSWER

$$\frac{3}{5}$$

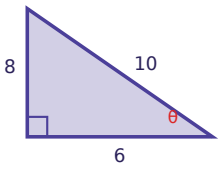
Trigonometric Ratios · 9

In a right triangle with legs 3 and 4 and hypotenuse 5, if θ is the angle opposite the side of length 3, find sin(θ).



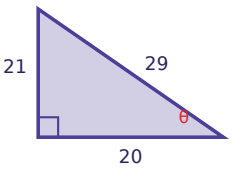
Trigonometric Ratios · 10

In a right triangle with legs 6 and 8 and hypotenuse 10, if θ is the angle opposite the side of length 8, find cos(θ).



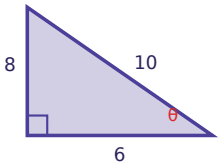
Trigonometric Ratios · 11

In a right triangle with legs 20 and 21 and hypotenuse 29, if θ is the angle opposite the side of length 21, find cos(θ).



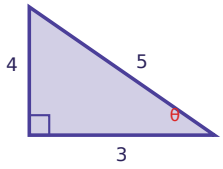
Trigonometric Ratios · 12

In a right triangle with legs 6 and 8 and hypotenuse 10, if θ is the angle opposite the side of length 8, find tan(θ).



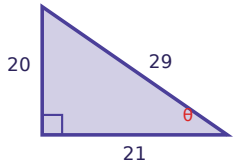
Trigonometric Ratios · 13

In a right triangle with legs 3 and 4 and hypotenuse 5, if θ is the angle opposite the side of length 4, find sin(θ).



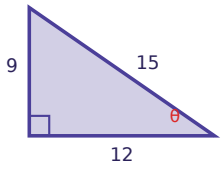
Trigonometric Ratios · 14

In a right triangle with legs 20 and 21 and hypotenuse 29, if θ is the angle opposite the side of length 20, find cos(θ).



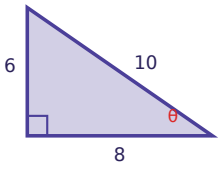
Trigonometric Ratios · 15

In a right triangle with legs 9 and 12 and hypotenuse 15, if θ is the angle opposite the side of length 9, find tan(θ).



Trigonometric Ratios · 16

In a right triangle with legs 6 and 8 and hypotenuse 10, if θ is the angle opposite the side of length 6, find tan(θ).



Trigonometric Ratios · 10

ANSWER

$$\frac{3}{5}$$

Trigonometric Ratios · 9

ANSWER

$$\frac{3}{5}$$

Trigonometric Ratios · 12

ANSWER

$$\frac{4}{3}$$

Trigonometric Ratios · 11

ANSWER

$$\frac{20}{29}$$

Trigonometric Ratios · 14

ANSWER

$$\frac{21}{29}$$

Trigonometric Ratios · 13

ANSWER

$$\frac{4}{5}$$

Trigonometric Ratios · 16

ANSWER

$$\frac{3}{4}$$

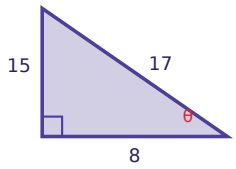
Trigonometric Ratios · 15

ANSWER

$$\frac{3}{4}$$

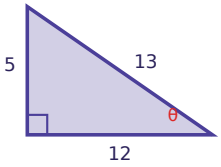
Trigonometric Ratios · 17

In a right triangle with legs 8 and 15 and hypotenuse 17, if θ is the angle opposite the side of length 15, find sin(θ).



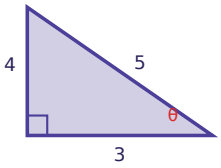
Trigonometric Ratios · 18

In a right triangle with legs 5 and 12 and hypotenuse 13, if θ is the angle opposite the side of length 5, find cos(θ).



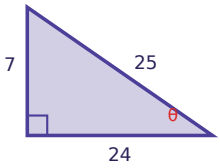
Trigonometric Ratios · 19

In a right triangle with legs 3 and 4 and hypotenuse 5, if θ is the angle opposite the side of length 4, find tan(θ).



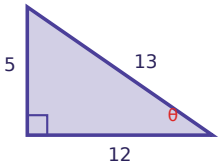
Trigonometric Ratios · 20

In a right triangle with legs 7 and 24 and hypotenuse 25, if θ is the angle opposite the side of length 7, find cos(θ).



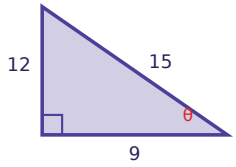
Trigonometric Ratios · 21

In a right triangle with legs 5 and 12 and hypotenuse 13, if θ is the angle opposite the side of length 5, find tan(θ).



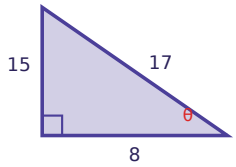
Trigonometric Ratios · 22

In a right triangle with legs 9 and 12 and hypotenuse 15, if θ is the angle opposite the side of length 12, find sin(θ).



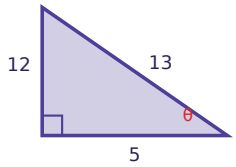
Trigonometric Ratios · 23

In a right triangle with legs 8 and 15 and hypotenuse 17, if θ is the angle opposite the side of length 15, find cos(θ).



Trigonometric Ratios · 24

In a right triangle with legs 5 and 12 and hypotenuse 13, if θ is the angle opposite the side of length 12, find sin(θ).



Trigonometric Ratios · 18

ANSWER

$$\frac{12}{13}$$

Trigonometric Ratios · 17

ANSWER

$$\frac{15}{17}$$

Trigonometric Ratios · 20

ANSWER

$$\frac{24}{25}$$

Trigonometric Ratios · 19

ANSWER

$$\frac{4}{3}$$

Trigonometric Ratios · 22

ANSWER

$$\frac{4}{5}$$

Trigonometric Ratios · 21

ANSWER

$$\frac{5}{12}$$

Trigonometric Ratios · 24

ANSWER

$$\frac{12}{13}$$

Trigonometric Ratios · 23

ANSWER

$$\frac{8}{17}$$