

Solutions – Properties of Trig Graphs (A)

$y = 2\cos(x/2) + 3$. Find the amplitude, period and range.

Amplitude = 2, Period = 4π , Range: $1 \leq y \leq 5$

$y = 5\sin(5x)$. Find the amplitude, period and range.

Amplitude = 5, Period = $2\pi/5$, Range: $-5 \leq y \leq 5$

$y = \cos(x/3) - 2$. Find the amplitude, period and range.

Amplitude = 1, Period = 6π , Range: $-3 \leq y \leq -1$

$y = 2\cos(x/5) - 1$. Find the amplitude, period and range.

Amplitude = 2, Period = 10π , Range: $-3 \leq y \leq 1$

$y = 3\sin(4x) + 4$. Find the amplitude, period and range.

Amplitude = 3, Period = $\pi/2$, Range: $1 \leq y \leq 7$

$y = \cos(3x) + 3$. Find the amplitude, period and range.

Amplitude = 1, Period = $2\pi/3$, Range: $2 \leq y \leq 4$

Solutions – Properties of Trig Graphs (B)

$y = \sin(x/5) - 4$. Find the amplitude, period and range.

Amplitude = 1, Period = 10π , Range: $-5 \leq y \leq -3$

$y = 2\cos(x) - 5$. Find the amplitude, period and range.

Amplitude = 2, Period = 2π , Range: $-7 \leq y \leq -3$

$y = \cos(5x) - 3$. Find the amplitude, period and range.

Amplitude = 1, Period = $2\pi/5$, Range: $-4 \leq y \leq -2$

$y = 2\sin(x/4) + 3$. Find the amplitude, period and range.

Amplitude = 2, Period = 8π , Range: $1 \leq y \leq 5$

$y = 3\sin(x/5) + 1$. Find the amplitude, period and range.

Amplitude = 3, Period = 10π , Range: $-2 \leq y \leq 4$

$y = 5\cos(x/5) - 5$. Find the amplitude, period and range.

Amplitude = 5, Period = 10π , Range: $-10 \leq y \leq 0$

Solutions – Properties of Trig Graphs (C)

$y = 5\cos(x) - 5$. Find the amplitude, period and range.

Amplitude = 5, Period = 2π , Range: $-10 \leq y \leq 0$

$y = 4\sin(3x) - 5$. Find the amplitude, period and range.

Amplitude = 4, Period = $2\pi/3$, Range: $-9 \leq y \leq -1$

$y = 3\sin(5x) + 5$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/5$, Range: $2 \leq y \leq 8$

$y = 3\sin(x/5) + 4$. Find the amplitude, period and range.

Amplitude = 3, Period = 10π , Range: $1 \leq y \leq 7$

$y = 3\sin(5x) - 4$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/5$, Range: $-7 \leq y \leq -1$

$y = 3\sin(x/5) + 5$. Find the amplitude, period and range.

Amplitude = 3, Period = 10π , Range: $2 \leq y \leq 8$

Solutions – Properties of Trig Graphs (D)

$y = 2\cos(x/5) + 1$. Find the amplitude, period and range.

Amplitude = 2, Period = 10π , Range: $-1 \leq y \leq 3$

$y = 3\cos(4x) - 1$. Find the amplitude, period and range.

Amplitude = 3, Period = $\pi/2$, Range: $-4 \leq y \leq 2$

$y = 5\sin(3x) + 3$. Find the amplitude, period and range.

Amplitude = 5, Period = $2\pi/3$, Range: $-2 \leq y \leq 8$

$y = 2\sin(x/5) - 4$. Find the amplitude, period and range.

Amplitude = 2, Period = 10π , Range: $-6 \leq y \leq -2$

$y = 3\cos(5x) - 3$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/5$, Range: $-6 \leq y \leq 0$

$y = \sin(5x) - 3$. Find the amplitude, period and range.

Amplitude = 1, Period = $2\pi/5$, Range: $-4 \leq y \leq -2$

Solutions – Properties of Trig Graphs (E)

$y = 4\cos(x/2) - 5$. Find the amplitude, period and range.

Amplitude = 4, Period = 4π , Range: $-9 \leq y \leq -1$

$y = \sin(x/3) + 4$. Find the amplitude, period and range.

Amplitude = 1, Period = 6π , Range: $3 \leq y \leq 5$

$y = 2\sin(4x) - 3$. Find the amplitude, period and range.

Amplitude = 2, Period = $\pi/2$, Range: $-5 \leq y \leq -1$

$y = 4\sin(x/2)$. Find the amplitude, period and range.

Amplitude = 4, Period = 4π , Range: $-4 \leq y \leq 4$

$y = 2\sin(2x) + 4$. Find the amplitude, period and range.

Amplitude = 2, Period = π , Range: $2 \leq y \leq 6$

$y = 3\cos(5x) + 1$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/5$, Range: $-2 \leq y \leq 4$

Solutions – Properties of Trig Graphs (F)

$y = 2\sin(x/3) + 2$. Find the amplitude, period and range.

Amplitude = 2, Period = 6π , Range: $0 \leq y \leq 4$

$y = \cos(x) + 5$. Find the amplitude, period and range.

Amplitude = 1, Period = 2π , Range: $4 \leq y \leq 6$

$y = 4\cos(x/3) - 2$. Find the amplitude, period and range.

Amplitude = 4, Period = 6π , Range: $-6 \leq y \leq 2$

$y = 5\sin(2x) - 2$. Find the amplitude, period and range.

Amplitude = 5, Period = π , Range: $-7 \leq y \leq 3$

$y = 4\cos(2x) + 1$. Find the amplitude, period and range.

Amplitude = 4, Period = π , Range: $-3 \leq y \leq 5$

$y = 4\sin(x/4) - 3$. Find the amplitude, period and range.

Amplitude = 4, Period = 8π , Range: $-7 \leq y \leq 1$

Solutions – Properties of Trig Graphs (G)

$y = 4\sin(4x)$. Find the amplitude, period and range.

Amplitude = 4, Period = $\pi/2$, Range: $-4 \leq y \leq 4$

$y = 3\cos(3x) - 4$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/3$, Range: $-7 \leq y \leq -1$

$y = 4\cos(5x) + 5$. Find the amplitude, period and range.

Amplitude = 4, Period = $2\pi/5$, Range: $1 \leq y \leq 9$

$y = 3\cos(x/3) - 3$. Find the amplitude, period and range.

Amplitude = 3, Period = 6π , Range: $-6 \leq y \leq 0$

$y = 4\cos(x) - 2$. Find the amplitude, period and range.

Amplitude = 4, Period = 2π , Range: $-6 \leq y \leq 2$

$y = 3\cos(3x) - 2$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/3$, Range: $-5 \leq y \leq 1$

Solutions – Properties of Trig Graphs (H)

$y = 5\cos(x/3) + 3$. Find the amplitude, period and range.

Amplitude = 5, Period = 6π , Range: $-2 \leq y \leq 8$

$y = 5\cos(x) - 1$. Find the amplitude, period and range.

Amplitude = 5, Period = 2π , Range: $-6 \leq y \leq 4$

$y = \sin(x)$. Find the amplitude, period and range.

Amplitude = 1, Period = 2π , Range: $-1 \leq y \leq 1$

$y = 5\cos(x) + 2$. Find the amplitude, period and range.

Amplitude = 5, Period = 2π , Range: $-3 \leq y \leq 7$

$y = 4\cos(x/5) - 4$. Find the amplitude, period and range.

Amplitude = 4, Period = 10π , Range: $-8 \leq y \leq 0$

$y = 5\cos(2x) + 5$. Find the amplitude, period and range.

Amplitude = 5, Period = π , Range: $0 \leq y \leq 10$

Solutions – Properties of Trig Graphs (I)

$y = 5\cos(x/2) + 2$. Find the amplitude, period and range.

Amplitude = 5, Period = 4π , Range: $-3 \leq y \leq 7$

$y = 5\sin(x/5) + 2$. Find the amplitude, period and range.

Amplitude = 5, Period = 10π , Range: $-3 \leq y \leq 7$

$y = \sin(x) - 1$. Find the amplitude, period and range.

Amplitude = 1, Period = 2π , Range: $-2 \leq y \leq 0$

$y = 5\sin(x/2) - 3$. Find the amplitude, period and range.

Amplitude = 5, Period = 4π , Range: $-8 \leq y \leq 2$

$y = 3\sin(5x) - 3$. Find the amplitude, period and range.

Amplitude = 3, Period = $2\pi/5$, Range: $-6 \leq y \leq 0$

$y = 4\cos(x/2) - 1$. Find the amplitude, period and range.

Amplitude = 4, Period = 4π , Range: $-5 \leq y \leq 3$

Solutions – Properties of Trig Graphs (J)

$y = 4\cos(x) - 5$. Find the amplitude, period and range.

Amplitude = 4, Period = 2π , Range: $-9 \leq y \leq -1$

$y = 4\sin(5x) + 3$. Find the amplitude, period and range.

Amplitude = 4, Period = $2\pi/5$, Range: $-1 \leq y \leq 7$

$y = 2\sin(x) + 1$. Find the amplitude, period and range.

Amplitude = 2, Period = 2π , Range: $-1 \leq y \leq 3$

$y = 4\cos(2x) + 2$. Find the amplitude, period and range.

Amplitude = 4, Period = π , Range: $-2 \leq y \leq 6$

$y = \sin(x/4) + 2$. Find the amplitude, period and range.

Amplitude = 1, Period = 8π , Range: $1 \leq y \leq 3$

$y = \sin(x/2) + 3$. Find the amplitude, period and range.

Amplitude = 1, Period = 4π , Range: $2 \leq y \leq 4$