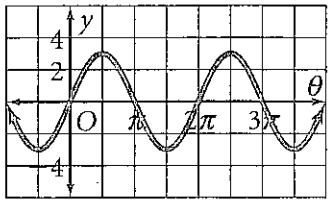
Find the amplitude and period of each sine curve.

11.



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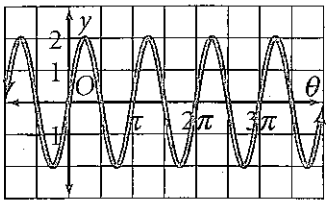

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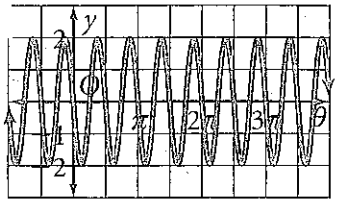
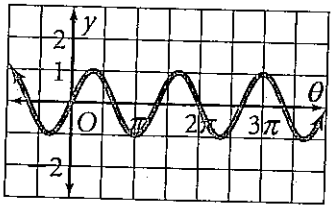


Write an equation of the function

14.



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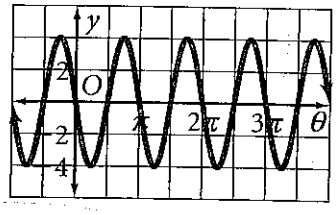

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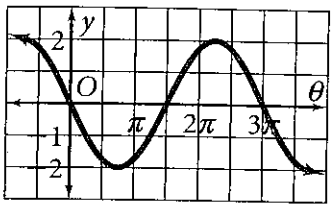


Give a positive Coterminal Angle for each angle given:

1.) 30° 2.) 154° 3.) -287°

Give negative Coterminal Angle for each given angle:

4.) 60° 5.) 196° 6.) -228°

Convert each Degree measure in to Radians:

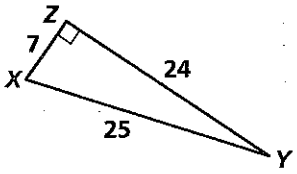
7.) 135° 8.) 210° 9.) 330°

Convert each Radian measure in to degrees:

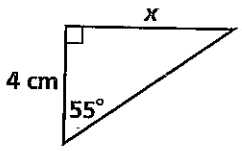
10.) $2\pi/3$ 11.) $7\pi/9$ 12.) $13\pi/5$

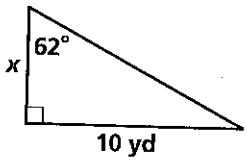
For Exercises 5-8, refer to $\triangle XYZ$. Find each ratio.

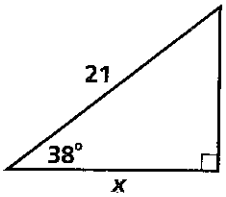
5. $\sin X$ **6.** $\cos X$ **7.** $\sin Y$ **8.** $\cos Y$



Find the value of x.







Find the Exact Values for each trig expression:

13.) Sin45 14.) Cos150 15.) Sin270

16.) Cos(-π/3) 17.) Tan(3π/4) 18.) Tan(4π/3)

Sketch the graph of each sine curve.
each curve.

20. $a = 1$, period $= \pi$

21. $a = -5, b = \frac{3\pi}{4}$

Sketch the graph of the function in the interval from 0 to 2π.

22. $y = -5 \cos \theta$

23. $y = 3 \cos \frac{\theta}{4}$

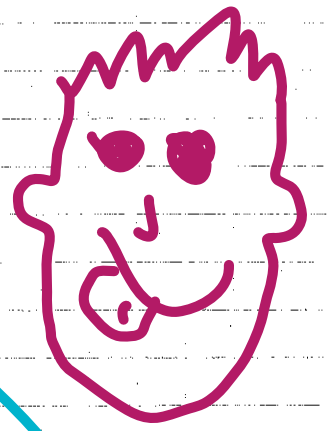
Sketch the graph of each sine curve.
each curve.

20. $a = 1$, period $= \pi$

Have a good summer!

21. $a = -5, b = \frac{3\pi}{4}$

Be safe



Sketch the graph of the function in the interval from 0 to 2π

22. $y = -5 \cos \theta$

See You next year!

23. $y = 3 \cos \frac{\theta}{4}$