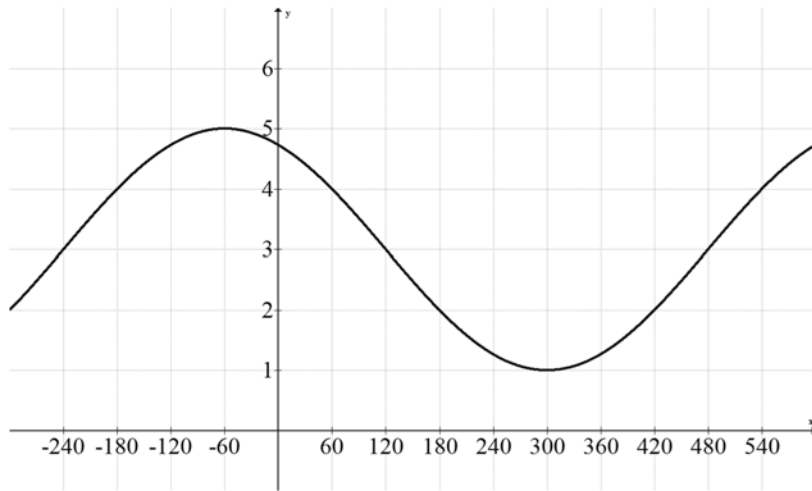


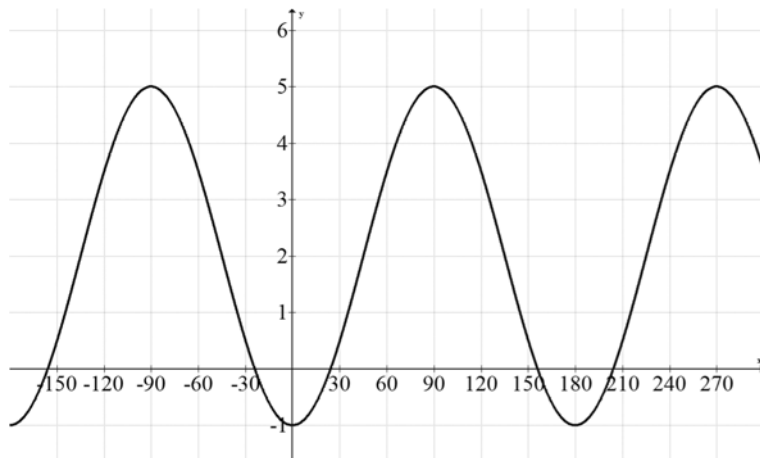
Trig Graphs Review

Determine the equation for the following graphs.

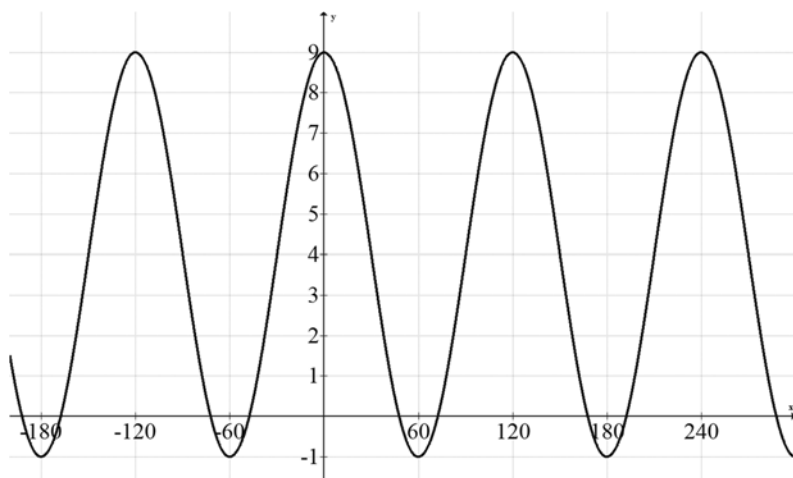
#1-3 in degrees



1. $y =$ _____

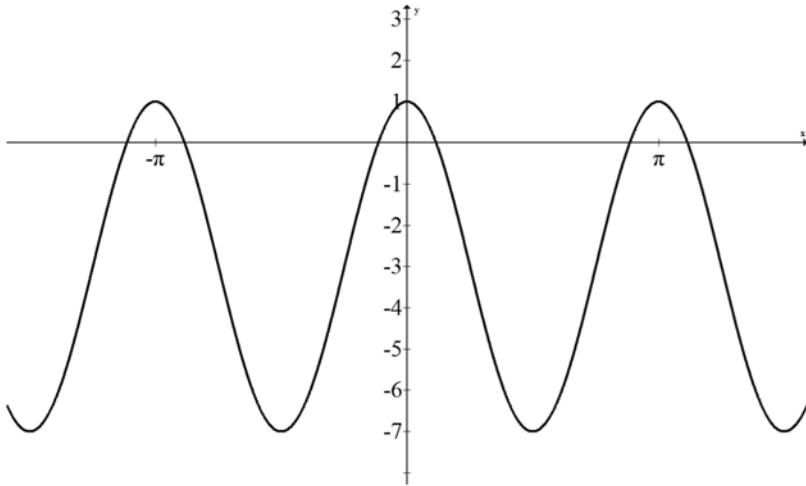


2. $y =$ _____

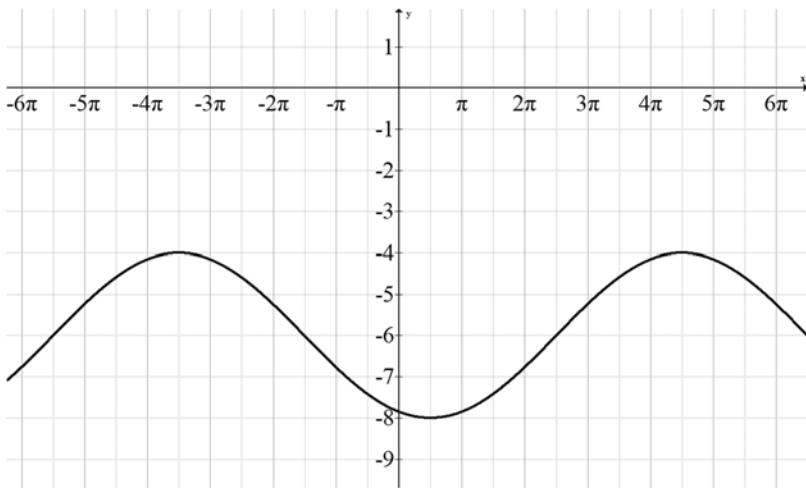


3. $y =$ _____

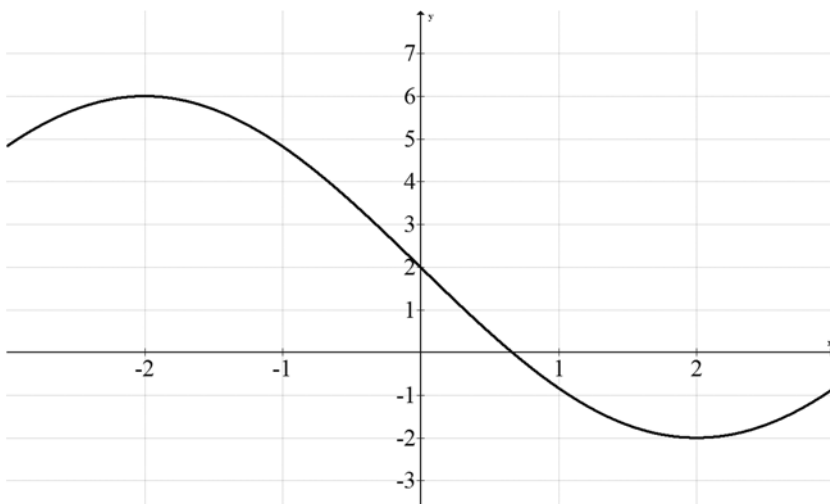
#4-6 in radians



4. $y =$ _____



5. $y =$ _____



6. $y =$ _____

Graph the following.

7. $y = 3 + 5 \cos \frac{2}{3}(\theta - 150^\circ)$ in degrees

8. $y = -5 + 6 \cos \frac{\pi}{5}(x - 2)$ in radians

9. $y = 3 + 7 \sin 2 \left(x + \frac{\pi}{4} \right)$ in radians

11. $y = -12 + 20 \cos 30 (\theta + 4^\circ)$ in degrees

13. $y = -4 + 8 \csc 3 (\theta + 50)$ in degrees

15. $y = 3 - 2 \sec 2 \left(x - \frac{\pi}{2} \right)$ in radians

17. $y = 4 - 2 \csc 2 \left(x - \frac{\pi}{6} \right)$ in radians

10. $y = 5 - 2 \cos \frac{1}{4} (\theta - \pi)$ in radians

12. $y = 5 + 2 \tan 2 \left(x - \frac{\pi}{3} \right)$ in radians

14. $y = -3 + 2 \cos 2 \left(x + \frac{\pi}{4} \right)$ in radians

16. $y = -1 + 4 \tan \left(x - \frac{\pi}{3} \right)$ in radians

18. $y = 3 - \frac{1}{2} \cot (2\pi x)$ in radians

Answers:

Possible solutions

1. $y = 3 + 2 \cos \frac{1}{2} (x + 60^\circ)$

$y = 3 + 2 \sin \frac{1}{2} (x + 240^\circ)$

2. $y = 2 + 3 \cos 2 (x - 90^\circ)$

$y = 2 + 3 \sin 2 (x - 45^\circ)$

3. $y = 4 + 5 \cos 3x$

$y = 4 + 5 \sin 3 (x + 30^\circ)$

4. $y = -3 + 4 \cos 2 (x)$

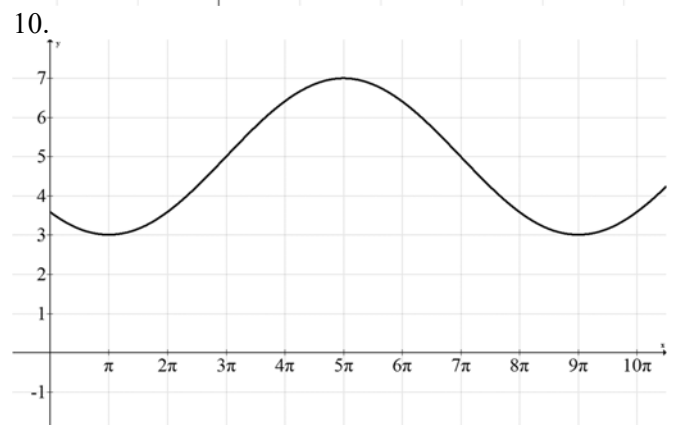
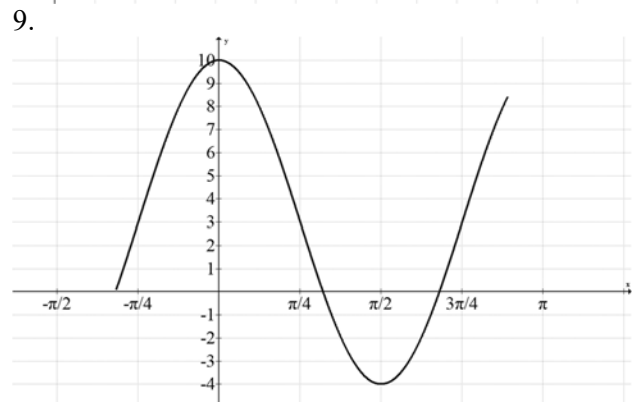
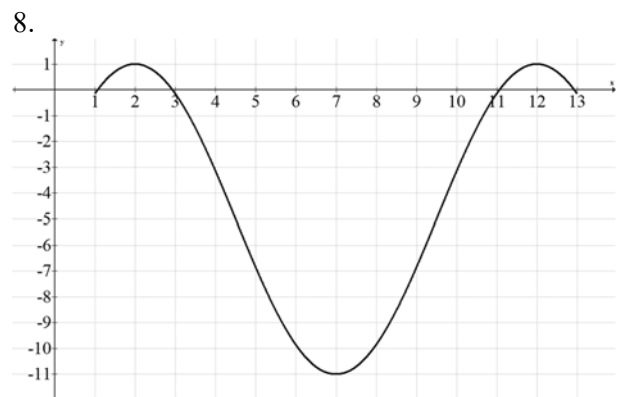
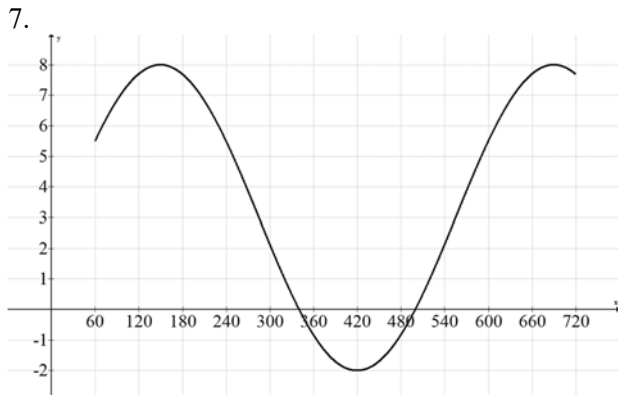
$y = -3 + 4 \sin 2 \left(x + \frac{\pi}{4} \right)$

5. $y = -6 - 2 \cos \frac{1}{4} \left(x - \frac{\pi}{2} \right)$

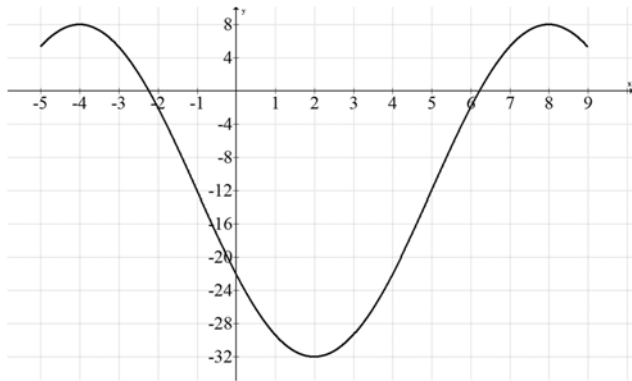
$y = -6 + 2 \sin \frac{1}{4} \left(x - \frac{5\pi}{2} \right)$

6. $y = 2 + 4 \cos \frac{\pi}{4} (x + 2)$

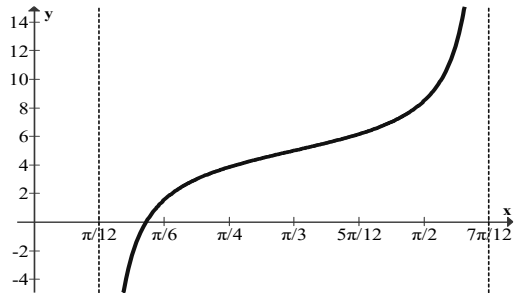
$y = 2 - 4 \sin \frac{\pi}{4} (x)$



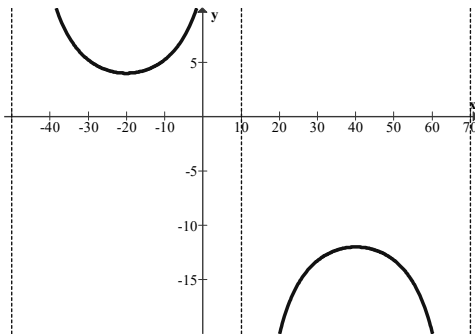
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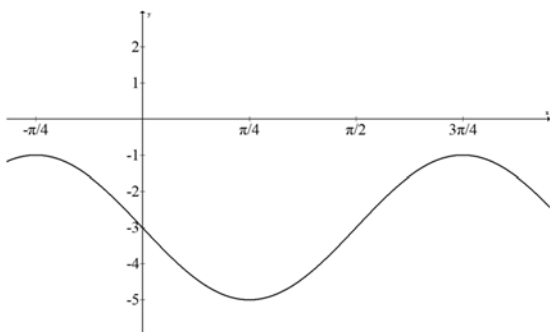
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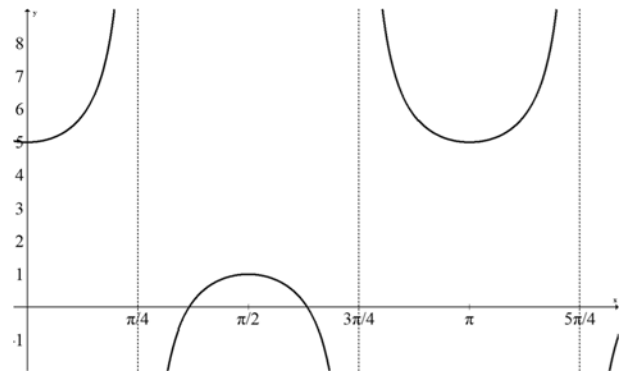
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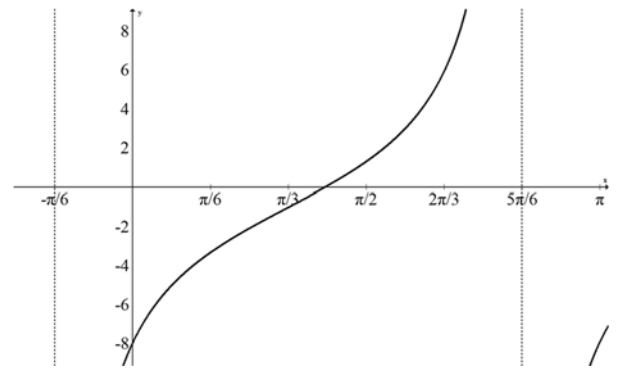
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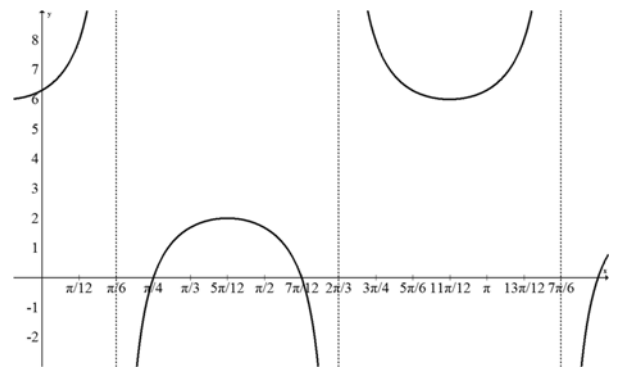
15.



16.



17.



18.

