

Name _____

Date _____

Year Group _____

Label the parts of the graph

1. $y = 3 \sin(2x + 1) - 4$

$A = \underline{\hspace{1cm}}$ $B = \underline{\hspace{1cm}}$ $C = \underline{\hspace{1cm}}$ $D = \underline{\hspace{1cm}}$

2. $y = -5 \cos(4x - 1) + 3$

$A = \underline{\hspace{1cm}}$ $B = \underline{\hspace{1cm}}$ $C = \underline{\hspace{1cm}}$ $D = \underline{\hspace{1cm}}$

Match the graphs to their corresponding parts

3. $y = 5 \cos(3x)$

4. $y = -2 \sin(4x)$

amplitude = 5
period = $\frac{2\pi}{3}$

amplitude = 2
period = 2π

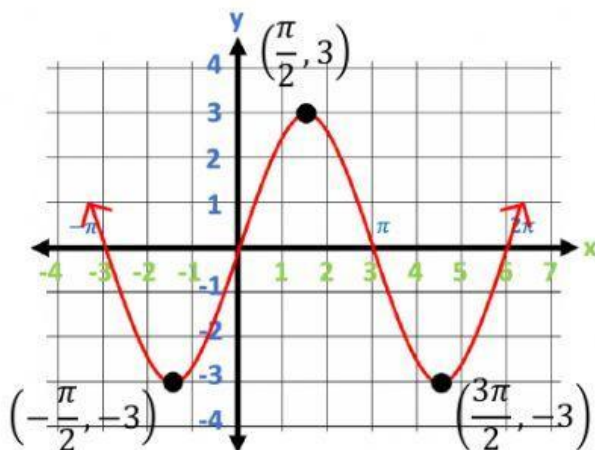
amplitude = 2
period = $\frac{\pi}{2}$

amplitude = 5
period = 6π

5. $y = 2 \cos(-x)$

6. $y = 5 \sin\left(\frac{1}{3}x\right)$

7 – 8 Find the amplitude and the period of this sine graph below
(For π type pi as your answer)



Answer

7. amplitude = _____ and 8. period = _____