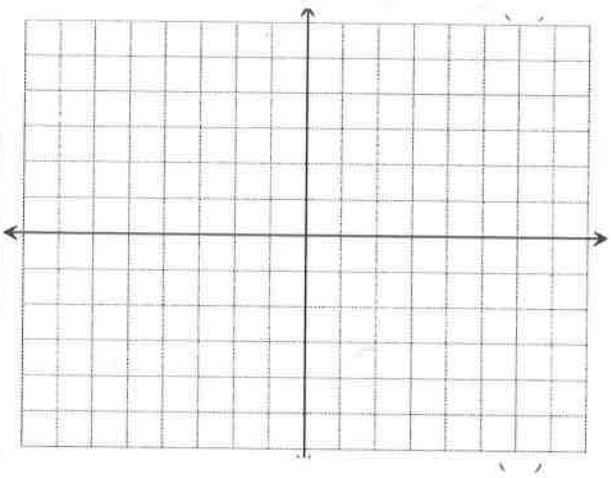
Examples-Amplitude and Period Degrees

Using degrees, find the amplitude and period of each function. Be sure to include your 5 critical points. Then graph.

1) $y = 2\sin 2\theta$

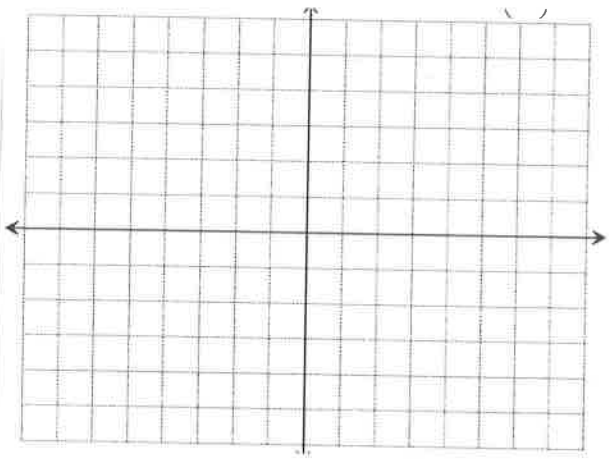


a= _____

pd = _____

CP = _____

2) $y = 3\cos 4\theta$

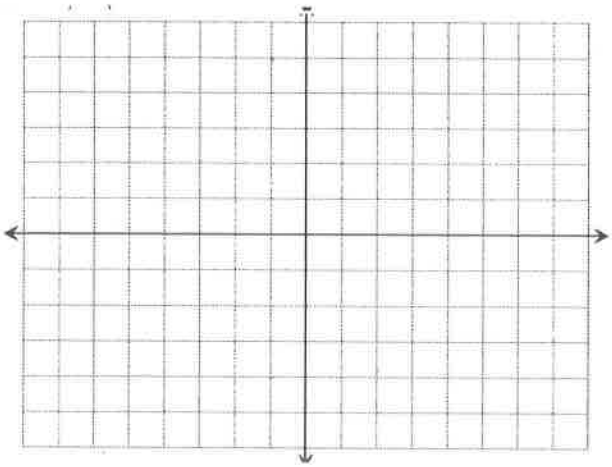


a= _____

pd= _____

CP: _____

3) $y = 2\tan 2\theta$

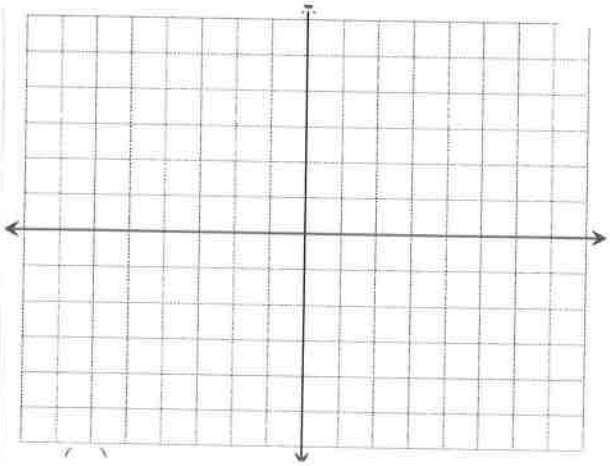


a= _____

pd= _____

CP: _____

4) $y = 3\sin \frac{\theta}{3}$

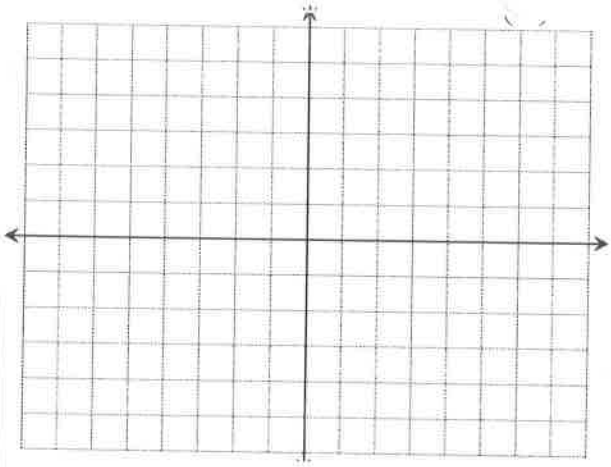


a= _____

pd= _____

CP: _____

5) $y = 4\cos\frac{\theta}{2}$

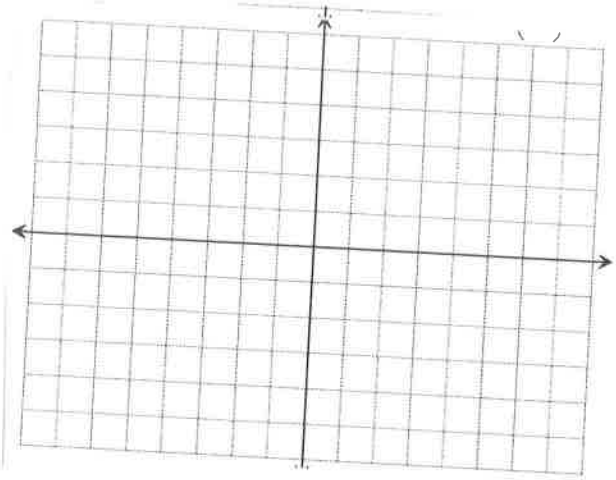


a = _____

pd = _____

CP: _____

6) $y = 4\tan\frac{\theta}{3}$



a = _____

pd = _____

CP: _____

Using degrees, find the amplitude and period of each function.

7) $y = 9\sin 4\theta$

a = _____

pd = _____

8) $y = 8\cos 8\theta$

a = _____

pd = _____

9) $y = 10\tan 4\theta$

a = _____

pd = _____

10) $y = \frac{1}{3} \cdot \sin\frac{\theta}{4}$

a = _____

pd = _____

11) $y = 2\cos\frac{\theta}{6}$

a = _____

pd = _____

12) $y = 9\tan\frac{\theta}{6}$

a = _____

pd = _____