Honors Precalculus   Name: _____
Graphing Sine and Cosine
(amplitude A and frequency B)   Date: _____

For each function, determine the amplitude and period.
Sketch two complete cycles of sine and cosine. Number your x-
and y-axis appropriately.

1. $y = 3\sin x$

2. $y = 2\cos x$

3. $y = \cos 2x$

4. $y = 3\sin 2x$

5. $y = \sin\dfrac{\pi}{2}x$

6. $y = 3\cos\dfrac{1}{2}\pi x$

7. $y = 2\sin\dfrac{x}{3}$

8. $y = \sin(-x)$

9. $y = -3\cos(-3x)$

10. $y = -2\sin\pi x$