PreCalculus – Scientific Calculator Only! **Name** _____
Practice Quiz A – Graphing Sine and Cosine

_____ **/ 51 Points (Not for a Grade)**

Graph each function, labeling all critical points on the x-axis and y-axis. Identify the characteristics.
(2 points each blank. 5 points each graph.)

1. Graph $y = 3\cos(2x)$

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____

2. $y = -2\sin\left(\frac{1}{2}\theta\right) - 3$

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____

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

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____

PreCalculus - Scientific Calculator Only! **Name** _____
Practice Quiz B – Graphing Sine and Cosine

_____ **/ 51 Points (Not for a Grade)**

Graph each function, labeling all critical points on the x-axis and y-axis. Identify the characteristics.
(2 points each blank. 5 points each graph.)

1. Graph $y = 3\sin\left(\frac{1}{2}x\right)$

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____

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

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____

3. $y = 3\sin\left(2x - \frac{\pi}{2}\right) - 1$

amplitude = _____

period = _____

phase shift = _____

vertical shift = _____

domain: _____

range: _____