SINE AND COSINE GRAPHS

| For each function, state the amplitude, period, phase shift, and vertical shift. Then graph one period of the function. | | | | | |
|--|---|--|--|--|--|
| 1. $f(x) = cos2(x - \frac{\pi}{3}) + 2$ | $2. f(x) = -3\sin(x-\pi)$ | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 2 1 2 | 4 (() 2 : 1(+2) 2 | | | | |
| 3. $y = \frac{1}{2}sinx - 2$ | $4. \ f(x) = -2\sin\frac{1}{2}(x+2\pi) - 2$ | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 1 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| I | | | | | |
| 5. $g(x) = -8\cos 2(x - \pi) + 3$ | 6. $y = 2\cos(2x + \frac{\pi}{3})$ | | | | |
| 3. g(x) 60032(x x) · 3 | 0. y 2005(2x + 3) | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 1 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| ı | I | | | | |
| 7. $f(x) = 3\sin(2x + 5\pi)$ | 8. $y = \sin(3x + \pi)$ | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |