

NAME: _____

DATE: _____

Midline, Amplitude, and Period Practice

AdvMCC

Determine the amplitude, period and midline of each function.

(a) $f(x) = -2\sin\left(\frac{1}{2}x\right)$

(b) $g(x) = \frac{1}{3}\cos(2x) - 5$

(c) $m(x) = -5\sin(\pi x) + 3$

(d) $k(x) = -\frac{1}{2}\cos\left(\frac{2\pi}{3}x\right)$

(e) $f(x) = 3\sin\left(\frac{2}{5}x\right) - 1$

(f) $g(x) = -\frac{1}{3}\sin(2\pi x) + 6$

(g) $m(x) = 2\cos(x - 1) + 4$

(h) $k(x) = \frac{3}{8}\cos\left(\frac{\pi}{6}x\right) - 2$