

Day 1: Tangent Graphs

Warm-Up:

1. Graph $f(x) = \tan x$
2. Graph $g(x) = -2\tan x$

Notes:

Example: Graph $g(x) = -2\tan 2x$

You Try: Graph $f(x) = -3\tan \frac{x}{2}$

Example: Graph $h(x) = 2\tan \frac{1}{2}(x + \pi) + 1$

You Try: Graph $m(x) = -2\tan \frac{1}{2}(x - 2\pi) + 2$

Homework:

1. $g(x) = -\frac{1}{3}\tan 4x$
2. $h(x) = \tan \frac{1}{4}(x - \pi) - 3$
3. $v(x) = 3\tan \frac{1}{2}(x + \pi) + 3$

Day II: Writing Tangent Graphs

Warm-Up:

1. $h(x) = \tan \frac{1}{4}(x - \pi) - 3$
2. $v(x) = 3\tan \frac{1}{2}(x + \pi) + 3$

Notes: Write the function

