

key Features of tangent graphs

y=a tanbx

Period: 16

vertical asymptotes

2|b| 1

odd multiples ttalfway: () points: () between x-int. & asymptotes)

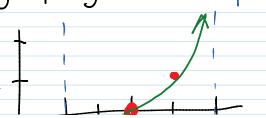
Examples:

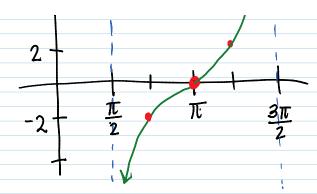
1) graph y= 2tanx

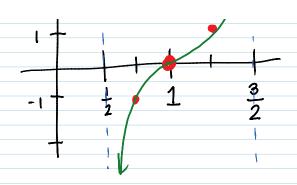
2+

 $P = \frac{\pi}{|b|} = \frac{\pi}{|b|}$ $P = \pi$

2 graph $y = +an\pi \times P = \frac{\pi}{\pi} = 1$







3 graph y=2+an2x $P=\frac{10}{2}$

EXIT SLIP!

graph one period of the following trig graphs. You must clearly label the scales (both x & y).

$$3y=5\tan \frac{1}{4}x$$