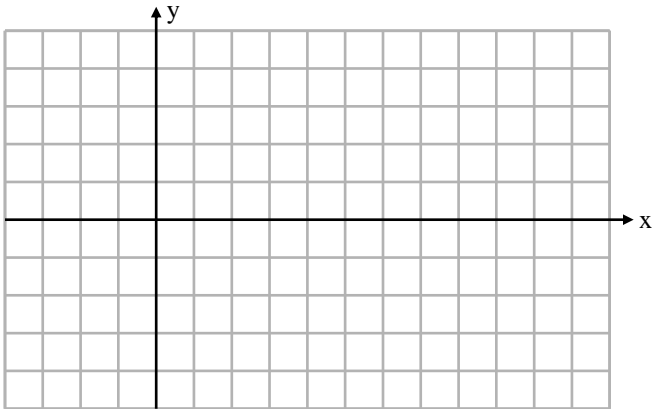
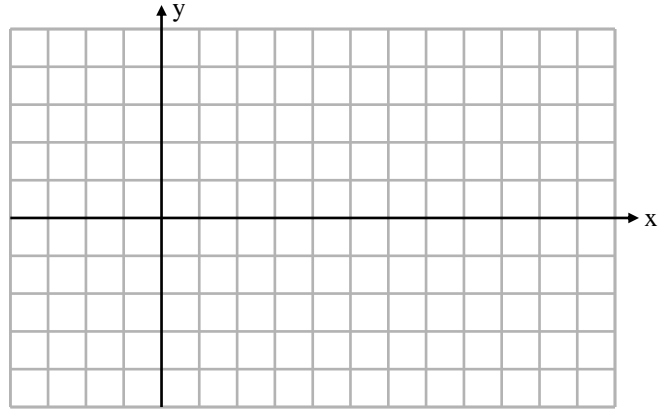


2. Graph at least one period of the following functions, with horizontal and vertical scales and all features shown clearly. Graph in radians.

(a) $y = 3 \tan x$



(b) $y = \tan 2\left(x + \frac{\pi}{6}\right)$



3. How does $\cos \theta$ relate to the asymptotes of the graph $y = \tan \theta$?

Tangent Quiz Answer Section

MULTIPLE CHOICE

- | | | | |
|----------------------|-------------------------------------|--------------------------|---|
| 1. ANS: D
NAT: T4 | PTS: 1
TOP: The Tangent Function | DIF: Easy
KEY: | OBJ: Section 5.3
asymptote tangent function |
| 2. ANS: A
NAT: T4 | PTS: 1
TOP: The Tangent Function | DIF: Average
KEY: | OBJ: Section 5.3
undefined tangent function |
| 3. ANS: A
NAT: T4 | PTS: 1
TOP: The Tangent Function | DIF: Average
KEY: | OBJ: Section 5.3
coordinate tangent function |
| 4. ANS: D
NAT: T4 | PTS: 1
TOP: The Tangent Function | DIF: Difficult +
KEY: | OBJ: Section 5.3
zeros transformation |