

7.2 Pg. 490 #8, 11, 14, 16, 20, 22, 26, 36, 38, 39

8. $s(t) = 5 + \cot(t+2)$

→ horizontal shift = left 2

→ up 5

11. $f(t) = \sec t$ → vertical factor by 3

→ 1 unit left

$g(t) = 3 \sec(t+1)$

14. $f(t) = \cot t$ reflected across vertical axis

$g(t) = \cot(-t) + 2$ → down 2 units

16. $f(t) = \csc(t)$

→ $g(t) = -7.5 \csc(t)$

20. which graph best matches!

$f(t) = 2 \cot t + 1$

→ vertical stretch by 2

→ up 1

asymptotes: $\pi, 2\pi, -\pi, -2\pi, 0$

c.

22. $f(t) = -\csc(t)$ → reflected across x-axis

asymptotes: $\pi, 2\pi, -\pi, -2\pi, 0$

b.

26. $f(t) = -\sec(-t)$ → reflected over both

a.

x & y axis

(1.)