

Pg 491 # 37 TO 40 All # 41 TO 47 odd

37) $f(x) = \cos(x)$ $g(x) = 2 \cos\left(x - \frac{\pi}{2}\right) + 1$

$y = a \sin(b(x-c)) + d$ ← REMEMBER!
$y = a \cos(b(x-c)) + d$ ←

$a = 2$ vertical stretch by factor of 2

$b = 1$ NO horizontal stretch

$c = \frac{\pi}{2}$ horizontal shift to the right $\frac{\pi}{2}$ units

$d = 1$ vertical shift up one unit

41) Graph $g(x) = -\cos x + 3$

