

4.4C HW

Wednesday, December 10, 2014 7:35 AM

p. 392: 32-34
62, 64, 65, 66, 68
(2 periods of each)

32) $a = 5$ window
 $P = 4\pi$ $x: [-4\pi, 4\pi]$
 $y: [-10, 10]$

33) $a = 4$ window
 $P = 6$ $x: [-3, 3]$
 $y: [-5, 5]$

34) $a = 3$ window
 $P = 2$ $x: [-4, 4]$
 $y: [-5, 5]$

62) $a = 3.5$
 $P = \pi$
 $F = 1/\pi$
 flip over x
 $\downarrow 1$
 $\rightarrow \pi/2$

64) $a = 3$
 $P = 2\pi$
 $F = 1/2\pi$
 $\downarrow 3$
 $\rightarrow 3$

65) $a = 2$
 $P = 1$
 $F = 1/1$
 $\uparrow 1$

66) $a = 4$
 $P = 2/3$
 $F = 3/2$
 $\downarrow 2$

68) $y = \frac{2}{3} \cos\left(\frac{1}{4}x - \frac{3}{4}\right) + 1$

$a = 2/3$
 $P = 8\pi$
 $F = 1/8\pi$
 $\rightarrow 3/4$
 $\uparrow 1$