Friday - September 11, 2015

1) C
2) H
3) B
4) F
5) A
6) J
7) D
8) K
9) C
10) F
11) A
12) G
13) D
14) F
15) E
16) G
17) D
18) F
19) D
20) K

Work day
2.4 HW 3
P. 133
Even problems.

(20) $s(t) = \dfrac{1}{t^2+3t-1}$

$$s'(t) = \frac{(t^2+3t-1)(0) - 1(2t+3)}{(t^2+3t-1)^2}$$

$$= \frac{-2t-3}{(t^2+3t-1)^2}$$

(24) $g(t) = \sqrt{\dfrac{1}{t^2-2}}$

$$g'(t) = \frac{1}{2}\left(\frac{1}{t^2-2}\right)^{-\frac{1}{2}} \left[\frac{(t^2-2)0 - 1(2t)}{(t^2-2)^2}\right]$$

$$g'(t) = \frac{\sqrt{t^2-2}}{2} \cdot \frac{-2t}{(t^2-2)^2} = \frac{-t\sqrt{t^2-2}}{(t^2-2)^2}$$