$$\begin{array}{c|c}
\hline
0 & |\frac{x+2}{3x-7}| < 7 \\
\hline
17. \frac{x+2}{3x-7} < 7 \\
= x+2 < 2 \\
20x >
\end{array}$$

$$-\frac{(x+2)}{3x-7}<7$$

$$-x-2<2|X-99$$
 $22x<4, 47$
 $x<\frac{47}{22}$

(3)
$$f(x) = 3 + |x| - x^4$$

Fungs: Genap $f(x) = f(-x)$
 $f(-x) > 3 + |-x| - (x)^4$
 $= 3 + |x| - x^4$
 $f(x) = f(-x) - x^2$

(f)
$$f(x)=1-x^2$$
 $g(x)=\sqrt{x}$ $g\circ f(x)=\sqrt{1-x^2}$

 $(b_a)_{x-7-2}^{|im|} = \frac{x^2+3x+2}{x+2}$ = lim (x+2)(x+1) X+2 Xx2 (-2) +1 = -1// 1 in 1-f(1) = z lim X-71 = 3/1/2 d.) 11m X+2K+ht-1 -1 -1 -1 ~ |i h h-)o 1;m h-70 2 + 4

(j) a)
$$f(x) = (x^{-1} + x^{-2})(3x^{3} + 27)$$
 $y = 4(y - 2)y' = 4(y + 4y)^{3}$
 $f'(x) = (-\frac{1}{x^{2}} + \frac{(-2)}{x^{3}})(3x^{3} + 27) + (\frac{1}{x} + \frac{1}{x^{2}})(9x^{2})^{2}$

b.) $(2x^{7} - x^{2})(\frac{x-1}{x+1}) = y$
 $y = 4(-y - 7)y' = 4(y + 4y)^{2}$
 $y = 4(-y - 7)y' = 4(y + 4y)^{2}$
 $y = 4(-y - 7)y' = 4(y + 4y)^{2}$
 $y' = 4(-y - 7)y' = 4(y + 4y)^{2}$
 $y' = 4(-y - 7)y' = 4(-y - 7)y' = 4(-y - 7)y'$
 $y' = 4(-y - 7)(\frac{x-1}{x+1}) + (2x^{7} - x^{2})(\frac{2}{(x+1)^{2}})$
 $y'' = 4(-y - 2x)(\frac{x-1}{x+1}) + (2x^{7} - x^{2})(\frac{2}{(x+1)^{2}})$
 $y'' = 4(-y - 2x)(\frac{x-1}{x+1}) + (2x^{7} - x^{2})(\frac{2}{(x+1)^{2}})$
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