





1)
$$\lim_{x\to 5} \frac{x-5}{x^2-25}$$
 as the x approaches $\frac{\pi}{7}$, the limit approaches $\frac{\pi}{10}$ = $\frac{\pi}{x+5}$ = $\frac{\pi}{x+5}$ = $\frac{\pi}{x+5}$ = $\frac{\pi}{10}$

(e)
$$\lim_{X \to 0} \frac{3x}{X^2 + 2x}$$
 as the π approaches 0 , the limit approaches $\frac{3}{2}$

$$= \frac{3x}{x(x+2)}$$

$$= \frac{3}{x+2}$$

$$= \frac{3}{0+2} = \frac{3}{2}$$

B)
$$\lim_{X\to 1} \frac{x-1}{|X-1|}$$
 as the x approaches 1,

$$= \frac{x-1}{|X-1|} \cdot \frac{\sqrt{x-1}}{|X-1|}$$

$$= (x-1)(x-1)$$

$$= \sqrt{x-1}$$

$$= \sqrt{x-1}$$

$$= \sqrt{x-1}$$