30
$$\frac{1}{35} = \frac{1}{25} = \frac{1}{$$

$$\lim_{X\to 2} \frac{\chi^{2} + 4 + 4}{S \ln^{2}(\pi x)} = \frac{4 - 8 + 4}{0} = \frac{0}{0}$$

$$\lim_{X\to 2} \frac{2x - 4}{2 \sin(\pi x) \cdot \cos(\pi x)} = \frac{4 - 4}{2 \cdot 0 \cdot 1 \cdot \Pi} = \frac{0}{0}$$

$$\lim_{X\to 2} \frac{2}{2\pi \left[\sin(\pi x) \cdot -\sin(\pi x) \cdot \Pi + \cos(\pi x) \cdot \cos(\pi x) \Pi \right]}$$

$$\lim_{X\to 2} \frac{2}{2\pi \left[\sin(\pi x) \cdot -\sin(\pi x) \cdot \Pi + \cos(\pi x) \cdot \cos(\pi x) \Pi \right]}$$

$$\lim_{X\to 2} \frac{2}{\pi^{2} \left[-\sin^{2}(\pi x) + \cos^{2}(\pi x) \right]}$$

$$= \frac{1}{\Pi^{2} \left[0 + 1 \right]} = \frac{1}{\Pi^{2}}$$

$$\frac{1}{x \rightarrow \infty} \frac{\int_{n} (3x+5)}{\int_{n} (7x+3) + 1} = \frac{\int_{n} (\infty)}{\int_{n} (\infty) + 1} = \frac{\infty}{\infty}$$

$$\lim_{x \rightarrow \infty} \frac{\frac{1}{3x+5} \cdot 3}{\frac{3}{7x+3}} \xrightarrow{7x+3}$$

$$\lim_{x \rightarrow \infty} \frac{\frac{3}{3x+5}}{\frac{7x+3}{7x+3}} \xrightarrow{7x+3}$$

$$\lim_{x \rightarrow \infty} \frac{3(7x+3)}{7(3x+3)}$$

$$\frac{3}{7} \lim_{x \rightarrow \infty} \frac{7}{3} = 1$$

$$= \frac{3}{7} \cdot \frac{7}{3} = 1$$

