Dod.

1) of $\frac{3}{1-\sqrt{2}} - \frac{2}{1-\sqrt{2}} = \frac{2}{3\sqrt{2}-1}$ 8) $\lim_{x\to 0} \frac{4}{5\ln^2 8x} - \frac{1}{5\ln^2 8x}$ 8) $\lim_{x\to 0} \frac{2}{5\ln^2 8x} - \frac{1}{8\ln x}$ 8) $\lim_{x\to 0} \frac{2}{5\ln^2 8x}$ 9) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 1) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 2) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 2) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 2) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 3) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 2) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$ 3) $\lim_{x\to 0} \frac{2}{3\ln^2 x}$

3
$$f(n) = \begin{cases} 4^{x}, & x < 1 \\ 5 - x^{2}, & 1 < x \le 4 \end{cases}$$

$$f(n) = \begin{cases} \frac{1}{x}, & 0 < x < 5 \\ 2x + 4, & x > 5 \end{cases}$$

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