(a)
$$\lim_{x\to 0} \frac{x^2-1}{2x^2+1}$$
;

(b) $\lim_{x\to 2} \sqrt{2x+5}$;

(c)
$$\lim_{x\to 2} \frac{x^2 - 5x + 6}{x^3 - 2x^2 - x + 2}$$
; (d) $\lim_{x\to -\infty} \frac{x^2 - 1}{2x^2 + 1}$.

(a)
$$\lim_{x \to 1} \left(\frac{1}{x-1} - \frac{3}{x^3 - 1} \right);$$
 (b) $\lim_{x \to 1} \left(\frac{1}{x-1} - \frac{2}{x^3 - 1} \right);$

(a)
$$\lim_{x\to 0} \frac{\sin 2x}{\operatorname{tg} 5x}$$
;

(c)
$$\lim_{x \to 0} \frac{1 - \cos x}{x}.$$