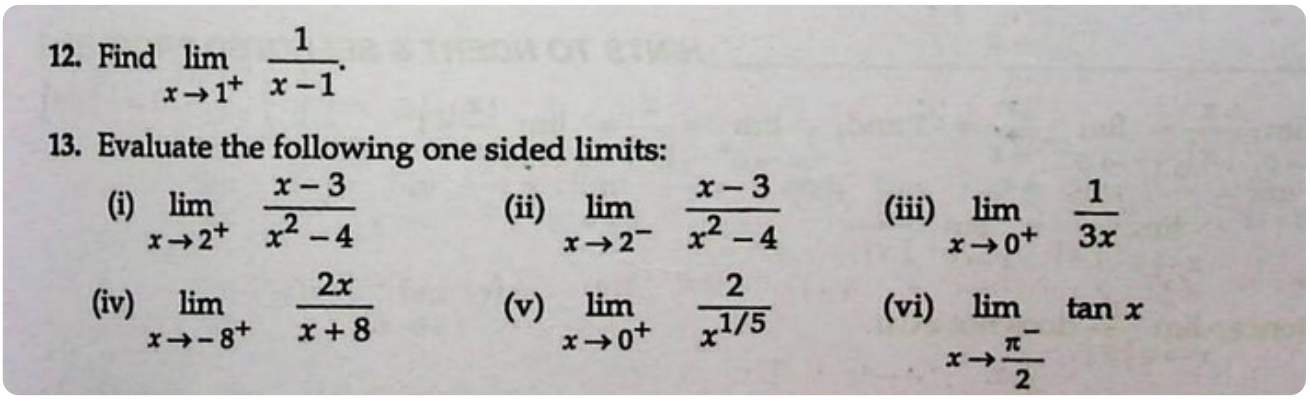
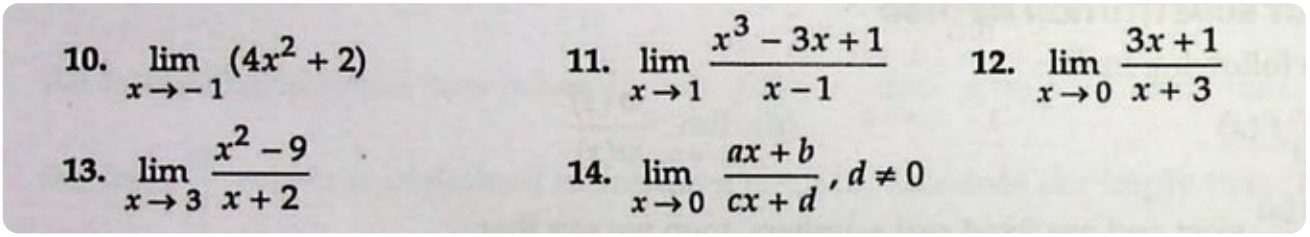
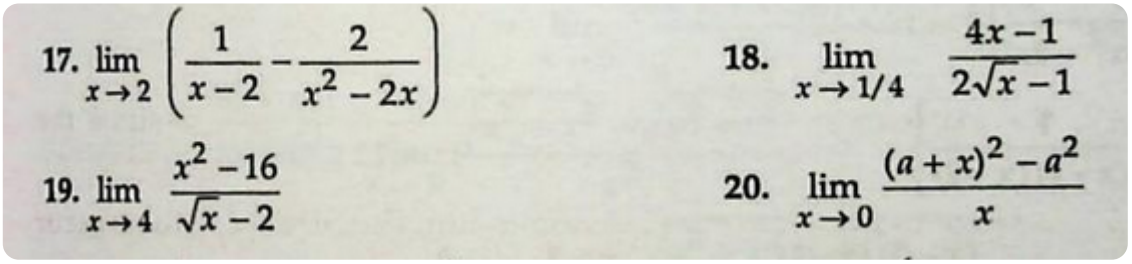
homework-limits part1

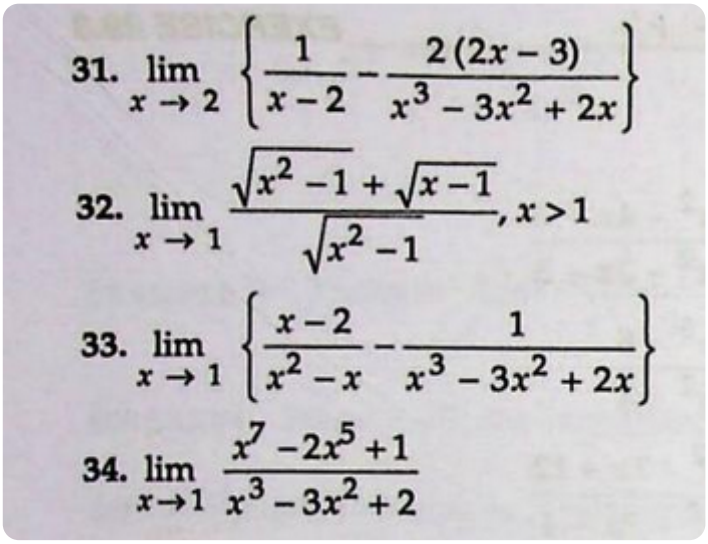
1. 

2. 

1. 29.2 ex

3. 

1. 29.3 ex

4. 

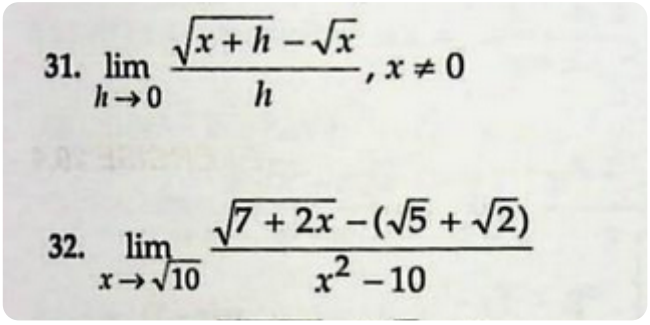
31. $\lim_{x \to 2} \left\{ \frac{1}{x-2} - \frac{2(2x-3)}{x^3 - 3x^2 + 2x} \right\}$

32. $\lim_{x \to 1} \frac{\sqrt{x^2-1} + \sqrt{x-1}}{\sqrt{x^2-1}}, x > 1$

33. $\lim_{x \to 1} \left\{ \frac{x-2}{x^2-x} - \frac{1}{x^3 - 3x^2 + 2x} \right\}$

34. $\lim_{x \to 1} \frac{x^7 - 2x^5 + 1}{x^3 - 3x^2 + 2}$

same exercise as above sum



31. $\lim_{h \to 0} \frac{\sqrt{x+h} - \sqrt{x}}{h}, x \neq 0$

32. $\lim_{x \to \sqrt{10}} \frac{\sqrt{7+2x} - (\sqrt{5} + \sqrt{2})}{x^2 - 10}$

5.

6.