$$\frac{10}{100} \frac{1}{100} \frac{1}{100} \frac{1}{100} \frac{1}{100} = \frac{1}{100} \frac{1}{100} \frac{1}{100} = \frac{1}{100} \frac{1}{100} = \frac{1}$$

$$= \frac{2n^{2}}{(1+(4n-3))n} = \frac{2n}{1+4n-3} = \frac{2n}{4n-2} = \frac{n}{2n-1} = \frac{n}{2n-1} = \frac{n}{2n-1} = \frac{n}{2n-1} = \frac{1}{2n-1} = \frac{1}{2n-1}$$

TT

2.0 
$$\lim_{x \to \infty} \frac{x^{100} - 2x + 1}{x^{50} - 2x + 1} = \frac{1 - \frac{2}{x^{95}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{95}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{95}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{95}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}} + \frac{1}{x^{100}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{100}}}{\frac{1}{x^{50}} - \frac{2}{x^{50}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{50}}}{\frac{1}{x^{5}} + \frac{1}{x^{5}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{5}}}{\frac{1}{x^{5}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{5}}}{\frac{1}{x^{5}}} = \frac{1 - \frac{2}{x^{5}} + \frac{1}{x^{5}}}{\frac{1}{x^{5}}} = \frac{1 - \frac{2}{x^{5}}}{\frac{1}{x^{5}}} = \frac{1 - \frac{2}{x^{5}}$$

$$\lim_{x \to 3-0} \frac{2x^3 - 6x^2}{x - 3} = \frac{2x^2(x - 3)}{x - 3} = 2x^2 = 2 \cdot 3 = 18$$

$$\lim_{x \to 3+0} \frac{2x^3 - 6x^2}{x - 3} = 2x^2 = 2 \cdot 3^2 = 18$$