Answer on Question #52183 – Math – Calculus

Question:

$$\lim_{x \to -2} (-2x^3 + 32(x^3 - 4x) + 1)$$

Solution

$$\lim_{x \to -2} (-2x^3 + 32(x^3 - 4x) + 1) = \lim_{x \to -2} (-2x^3) + \lim_{x \to -2} 32(x^3 - 4x) + \lim_{x \to -2} 1 =$$
$$= -2 * (-8) + 32(-8 + 8) + 1 = 17.$$

Answer: 17.