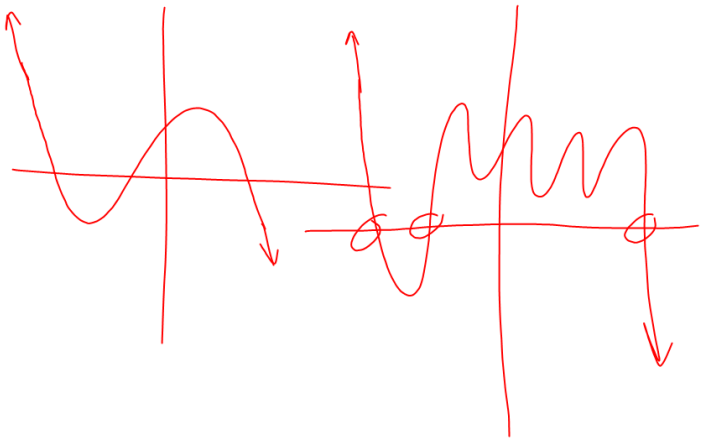


$p(x) = 3x^2 - 2x + 5$

(23) $p(a) = 3a^2 - 2a + 5$

$4p(a) = 4(3a^2 - 2a + 5)$

$= 12a^2 - 8a + 20$

$r(x) = x^3 + x + 1$

(25) $r(3a) = (3a)^3 + 3a + 1$

$= 27a^3 + 3a + 1$

(34) $P(s) = \frac{s^3}{1000}$

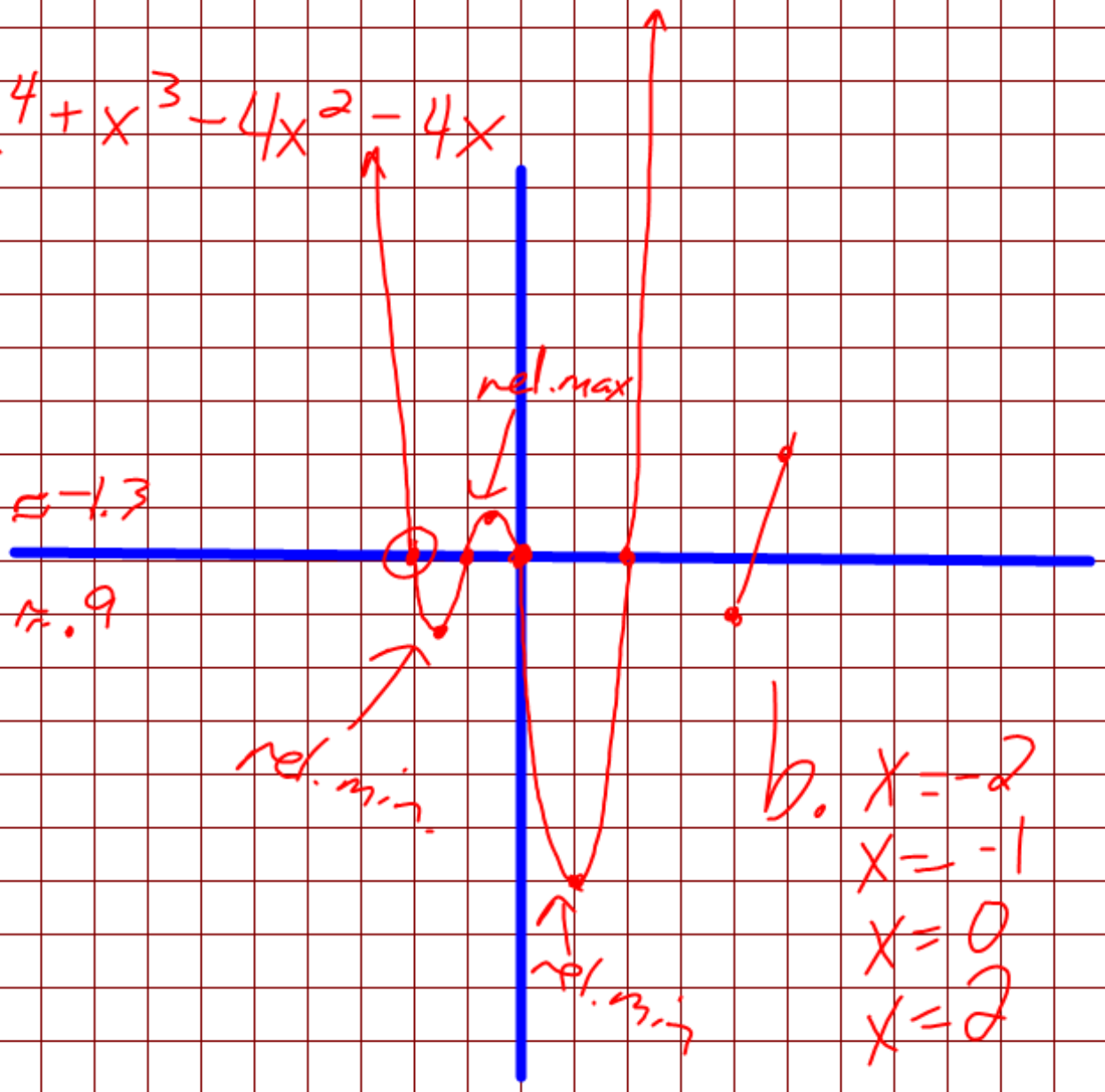
$P(18) = \frac{18^3}{1000} = \frac{5832}{1000} = 5.832$ units of power

$x^0 + 5$

$4 = 4(1)$

$f(x) = x^4 + x^3 - 4x^2 - 4x$

x	f(x)
-4	144
-3	30
-2	0
-1.5	≈ -1.3
-1	0
-.5	≈ .9
0	0
1	-6
2	0
3	60
4	240



b. $x = -2$
$x = -1$
$x = 0$
$x = 2$