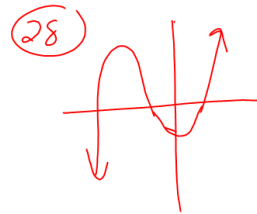


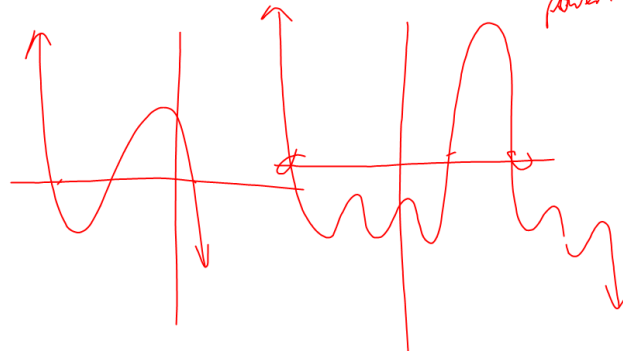
$$\begin{aligned} \textcircled{23} \quad p(x) &= 3x^2 - 2x + 5 \\ p(a) &= 3a^2 - 2a + 5 \\ 4p(a) &= 4(3a^2 - 2a + 5) \\ &= 12a^2 - 8a + 20 \end{aligned}$$

$\begin{aligned} \textcircled{22} \quad r(x) &= x^3 + x + 1 \\ r(3a) &= (3a)^3 + 3a + 1 \\ &= 27a^3 + 3a + 1 \end{aligned}$	$\begin{aligned} x+5 \\ 4 &= 4x^0 \end{aligned}$
---	--

$$\begin{aligned} f(x) &\rightarrow \infty, \text{ as } x \rightarrow \infty \text{ (right)} \\ f(x) &\rightarrow -\infty, \text{ as } x \rightarrow -\infty \text{ (left)} \end{aligned}$$



$$\begin{aligned} \textcircled{34} \quad P(s) &= \frac{s^3}{1000} \\ P(18) &= \frac{18^3}{1000} = \frac{5832}{1000} = 5.832 \text{ units of power} \end{aligned}$$



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

$x$	$f(x)$
-4	144
-3	30
-2	0
-1	0
0	0
1	-6
2	0
3	60
4	240

