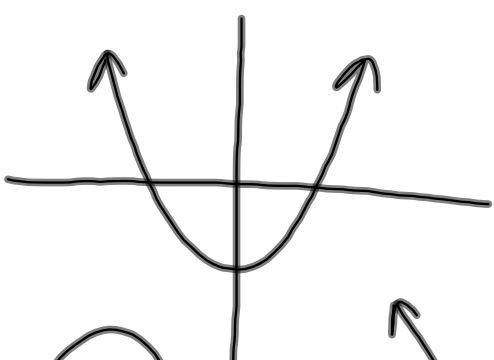
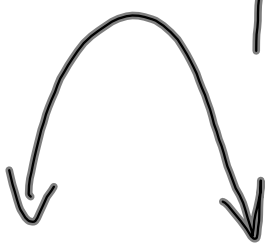
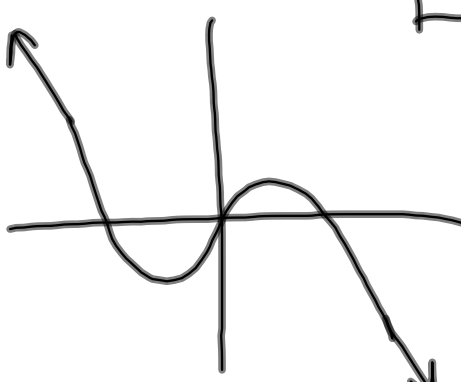


Degree → Even Odd



Positive	up up	down up
Negative	down down	up down





Factor and Find the roots.

$$x^4 - x^3 - 12x^2$$

$$x^2(x^2 - x - 12)$$

1) GCF

Greatest Common
Factor

-1	-12
1	-3, 4
-1	3, -4

$x \cdot x$	$(x+3)$	$(x-4)$
$x=0$	$x+3=0$	$x-4=0$
$x=0$	$-3-3$	$+4+4$
$x=0$	$x=-3$	$x=4$

$$x = 0, -3, 4$$

Use the zero-Product Rule
to find zeros.

$$y = x(x-5)(x+6)$$

$x=0$	$x-5=0$ $+5+5$ <hr/> $x=5$	$x+6=0$ <hr/> $-6-6$ <hr/> $x=-6$
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$x=0, 5, -6$

I spin the spinner Once.

What is $P(\text{Even})$ $\frac{4}{8} = \frac{1}{2}$

What is Probability $P(\text{Prime})$

$$P(E|P) \Rightarrow \frac{4}{8} = \frac{1}{4}$$

$$P(E) = P(E|P)$$

Independence

re below sorted by gender.

	Math	English	Social Studies	Science	Total
Female	8	6	10	6	30
Male	10	4	9	4	27
Total	18	10	19	9	57

$$P(\text{Male}) = \frac{27}{57}$$

$$P(\text{Science}) = \frac{9}{57}$$

$$P(\text{English}) = \frac{10}{57}$$

$$P(\text{Science} | \text{Male}) = \frac{4}{27}$$

