















18.	$304 + 15 = 2x^3 + 8x^2 - 10x$
	264 - 2x3 - 8x2 +10x +15 = 0
	x = 3
	81 - 54 - 72+30+15=0
	3 1 -2 -8 10 15
	1 1 -5 -5 0
	$(x-3)(x^3+x^2-5x-5)=0$
	X=-1
	-1 1 1 -5 -5
	1 0 1-5 0
	$(x-3)(x+1)(x^2-5)=0$
	(x-3)(x+1)(x-5)(x+5)=0
Dia	Swex \$ 3, -1, ± 55}.
26.	$Q(x) = x^3 - (1-i)x^2 - (8-i)x + (12-6i)$
	& = 7-1
	g(2-i)=0

2+i 1 i-1 i-8 12-6i

1 1 1 1-6 0

2-i+i-1=1
2-1+i-8=-6

-12+6i+12-6i=0

$$Q(k)=(2-i)(x^2+x-6)=(2-i)(x+3)(x-2)$$

1. $f(x)=\frac{5}{x-1}$
 $x-1=0=2$ $x=1$

Answer: $x=1$ is a vertical asymptote

5. $f(x)=\frac{3x^2+1}{x-2}$

Vertical asymptotes: $x=2=0$

Answer: $x=2$



