

Alg 2
Ch 6
Sec 6.1-6.3

Monday's Review

1. $-8x^4 + 3x^2 + 9$

quartic
trinomial

2. $2x^3 - 2x^2 - 12x$

cubic
trinomial

3. $t^3 - 3t - 2$

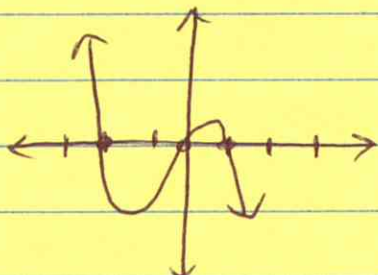
cubic
trinomial

4. $x = 0$

$x = -2$

$x = 1$

EB $\uparrow \downarrow$



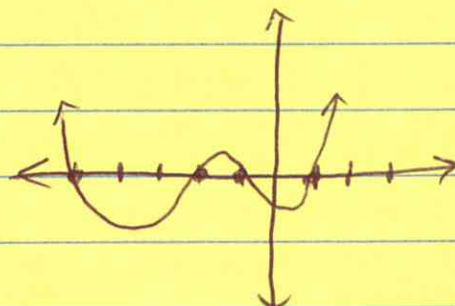
5. $x = -1$

$x = -2$

$x = -5$

$x = 1$

EB $\uparrow \uparrow$



6. $x = 0$ multiplicity 2

$x = -1$ multiplicity 2

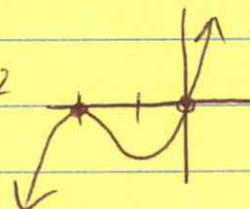
EB $\uparrow \uparrow$



7. $x = 0$

$x = -2$ multiplicity 2

EB $\downarrow \uparrow$



8. FF: $x^2 + 5x - 15 + \frac{24}{x+2}$

PF: $(x+2)(x^2 + 5x - 15) + 24$

9. FF: $x + 4$

PF: $(x-1)(x+4)$

10. $f(-3) = 63$

11. $f(3) = 0$

12. Not a factor

$f(3) = 84$

13. Not a

factor

$f(-1) = 3$