## operators (lab9 cont'd)

Friday, October 15, 2010 9:00 AM

we want:

where Vect V1, V3, U4;

V4= V1-V3/

V4. operador = (VI. operator - (V3)); in vector.h

11 sperator

vict operator - (coust vict & (hs)

vect result; - make sure constructor zero's out (witings) this new instance

for (int & =0; [<3; [++) result (i) = vec(i) - rh/(i);

-std::cout << "v4 \* 5 = "<< v4 \* 5 << std::endl; -std::cout << "3 \* v4 = "<< 3 \* v4 << std::endl;

v4. operator \* (doshle)
doshle. operator (vec\_t)

great vact operater+ (court doubled s, court rec-th My) vect vout; For (int [=0] [<3]ita) runt(i) = 5 x (18[i]; return result friend vec-t operator + (const vec-td lhs, const dolleds) another from of spenitor; unary std:; cout << "-V5="<< -V5 << std:: will, vect operator - () pr(inti=0; i(); [H) rent(i) = -vec(i);

11 fresh oxtrem 11 wenter double dot (const vec + l); } defined to the len (); in pleverthan vertor, cpl plivate: dotale vec[3]; what an rect able only 3; a dotale only 3; a dotale only 3; lends the class vect definition in implementation (vertor. GP) # Endule < issticam> (/ c++ 1/0 manipulation Hindre < iomanip > =) fornatted output # include < comath > 1.5. 2 set w (5) 2/ ||<< sat precion (2) wath. L dance vec\_t:: dot(const vec\_t & Ms)

5 + Vec(c) \* Mossi), for (int i=0; i(3; i+1) lets me ascess all private
unembers of vect, nauely vec()
away
same as this - vec(;) (\* this). vec (5)

(\* this). vec (5)

(\* reserved Kennord for

pto to constant object double vec-t::len()

?
redum (sq(t (dot (\*this))); (+thi). dot (+this)

pixel.h, pixel. pp: drgb\_t irgb\_t 4011 4074 class dight ; Il like vec-t private: double pix(27) 11 otherwac pretty wich the same as Veet class irgh-t : 11 like drgh\_t private:
[ usioned char pix (3);

unsigned char p(x131, - you'll want to provide: - confintois - copy constitor - destructor (defaut ok) ~dryh\_t() { 3; - assymment operates - operator () accessor/metatar - grenator + - operate + - ( went operated & - werthers; bool iszero (void) consti - repeat for 1196-t