Gabriel Emerson gle 0002 HW14 Du 4/12 5.44 A=1 x(t)=tri(=)-=rect(=) F{tri(を) = て·sinc(wな) F {rect (を)}= と·sinc(のな) X(w) = 2. sinc(=) - 1 sinc(=) 5.481 A = 2 a.) flt = Acos (wot - Do) Wo= 5 rad/s Po = 17/5 = 2 cos (5t- 7/5) Q = 0.5 # Constant property = 2 X cws # Scaling preperty = = X(=) * Time-shift = Xcws-e-jwoto F{f(t)}===X(=)-eiw> b.) g(t)= ent cos(wot) u(t)=1e cos(5t) u(t) * Frequency Shift # Modulation = = = = = = = [X(w-5) + X(w+5)] F{g(t)}=(=(X(w-5)+X(w+5)))-5

5.52 | F(
$$\omega$$
) = $\frac{A}{B+j\omega}$ | $A=5$ | $B=2$

a.) $f(3t-2)$ | $A=5$ |