$$P(x) + PY' + QY - P(b)$$

$$P(x) + PY' + QY - P(b)$$

$$P(x) - Polynomi-1s$$

$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

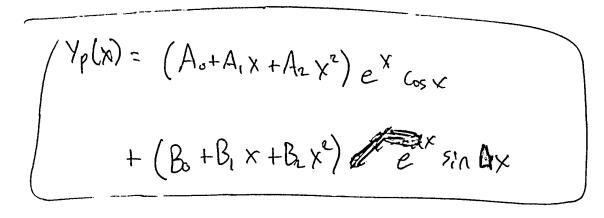
$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sine and cosine
$$P(x) - Sine and cosine$$

$$P(x) - Sin$$



> not always what you need weed to be in control.

Find Complex conj pair associated w/ left-hand sise.

 $\frac{2x}{y''+4y'+5y} = \frac{e^{-2x}}{e^{-3x}+x^2} e^{-2x} \sin x$ So we need a correction  $Y_{0} = \left( (A_{0} + A_{X} + A_{1} x^{n}) e^{x} \right) e^{x}$ I (Bo+B1X+B1X2) exsinso XXX multiple →if 2nd-order egn, with trig, and there's a corrective X,

k will be 1

ex 
$$y'' + dy' + 5y = e^{-2x} cos x + x^2 e^{-x} sin x$$

Find cards  $-22ico \neq x^2 = e^{-2x} cos x + x^2 = e^{-2x} sin x$ 

Ex  $y'' + py' + qy = f_1(x) + f_2(x)$ 
 $y'' + py + qy = f_2(x)$ 
 $y'' + py + qy = f_2(x)$ 
 $y'' + py' + sy = e^{-2x} cos x + e^{-2x}$ 

Now, Yh + Yp, 1 + Yp, 2

.