Quiz 7 Arthur Chen Math 308 327003368

$$f(t) = t^2 - t^2h(t-2) + 6h(t-2) - 6h(t-4) + (t+2)h(t-4)$$

$$\frac{1}{2} \int_{-\infty}^{\infty} \left\{ \int_{-\infty}^{\infty} \frac{1}{2} - 4 \int_{-\infty}^{\infty} \frac{1}{2} \right\} \Rightarrow \frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \int_{-\infty}^{\infty}$$

$$Y(5) = \frac{1}{(5+2)(5-2)} = \frac{A}{5+2} + \frac{B}{5-2}$$

$$=$$
  $Y(5) = -\frac{1}{4(5+2)} + \frac{1}{4(5-2)}$