Antonia Yepes Quintero 1) = Z(t) = x(t) + y(t) señales basicas = U(++2) - U(++1) + 2U(+-1 - 4U(+-2) + 2U(+-3) (2) Grafique la señal W(+) = Z(+) · r (2(++K)-6) K = 2(q+1) = 2(1+1) = 4 $w(t) = Z(t) \cdot r(2(t+4)-6)$ W(t) = 2(t) · r (2+ +8 -6) w(t) = Z(t) · Y (Zt + Z) r(+) Y (()= 2+ + 2 > 0 t >, -1 w(t)

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transf fourier
 x(+)= 4 (05 (811+ + 11) + K. Sen (411+) +5
K = 2(q+1) = 2(1+1) = 4
 x(t)= 4 (05 /311 + 11) + 4 Sen (411+) +5
 W1 = 8TT = 2TT
      T1 = 2Ti
Wz = 41 = 71
      Tz =
          711
G Rees (11bir Sen (4111+) en exponenc compl
  Sen (4114) = e - e
 ff Sen (4#4) = f { ejunt - e-junt}
 Transformada eint = X (W-U)
ffe 3 = 211 S (W-411)
f{e-j411+3 = 211 f(w+411)
Expresion complete
F & Sen (411+)] = 1 [211 & (w-41) - 211 & (w+411)
```

$$f \{ Sen \{un\} \} = \frac{1}{21} en \{ S(w-un) - S(w+un) \}$$

$$4 + \{ Sen \{un\} \} = 4 en \{ S(w+un) - S(w-un) \}$$

$$0 \text{ (anstante)}$$

$$1 \text{ (anstante)}$$

$$2 \text{ (anstante)}$$

$$3 \text{ (anstante)}$$

$$4 \text{$$