**Problem 8.1**

Multiply X(z) by H(z) to find Y(z).

Inverse z transform to find y(t)

**Problem 8.2**

1.

2.

3.

4.

**Problem 8.3**

a.

b.

c.

**Problem 8.4**

a.

b.

c.

d.

**Problem 8.5**

a.

b.

**Problem 8.6**

a.

b.

c.

**Problem 8.7**

a.

b.

c.

d.

**Problem 8.8**

a.

b.

c.

d.

When