Quiz 5

Algebra & Trig

10/20/03

Each problem is worth 5 points. For full credit indicate clearly how you reached your answer.

1. Solve for x:

$$5^{3x} = 25^{x+2}$$

$$5^{3x} = 5^{2(x+2)}$$

$$3x = 2x + 4$$

$$x = 4$$
Nice

If a farmer uses 25 pounds of active DDT, assuming its half-life is 12 years, how much will

still be active after 30 years?

to set Hup There is

25 pounds and its houf

life is at 12 yrs so It wants

to know how much will

Still be active after 30 yrs
30 I set it up as 25(1/2)
and plugged 30 in for 2.