

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 :

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

2. 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?