17. One of the following is equal to $\sqrt{9^{16x^2}}$ for all values of x. Which one?

A 3^{4x} B 3^{4x^2} C 3^{8x^2} D 9^{4x} E 9^{8x^2}

17. **E** $\sqrt{9^{16x^2}} = 9^{(16x^2)/2} = 9^{8x^2}$.