

Answers to substituting into quadratics

1 $x=81$

2 $x=64$

3 $x=4$

4 $x=144$

5 $x=256$

6 $x=-0.5$ or $x=1$

7 $x = \frac{\sqrt{3}}{3}$ or $x = \frac{\sqrt{15}}{5} = \sqrt{\frac{3}{5}}$ but we don't like having a surd as a denominator.

8 $x = 2$