

Samples Equations with square root SOLUTIONS

1. $\sqrt{325z} = 5\sqrt{13}$, so $\sqrt{325z} = \sqrt{5 \times 5 \times 13} = \sqrt{325}$, so $325z = 325$. Hence $z = 1$

2. $\sqrt{4z} = 7\sqrt{8}$, so $\sqrt{4z} = \sqrt{7 \times 7 \times 8} = \sqrt{392}$, so $4z = 392$. Hence $z = 98$

3. $\sqrt{32x} = 4\sqrt{4}$, so $\sqrt{32x} = \sqrt{4 \times 4 \times 4} = \sqrt{64}$, so $32x = 64$. Hence $x = 2$