

Sum and Product of Roots 6-5

General Quadratic Equation form

Formula for Sum of Roots

Formula for Product of Roots

Write a quadratic equation that has the given roots.

1. $-\frac{3}{8}$ and 5

STEP 1: Add the roots

STEP 2: Multiply the roots

STEP 3: Get a common denominator (if necessary)

STEP 4: Identify A, B, C and write an equation

2. $\frac{1}{3}$ and $\frac{1}{2}$

3. $7-2i$ and $7+2i$

4. $5+i\sqrt{3}$ and $5-i\sqrt{3}$

5. $4 \pm \sqrt{5}$