

Must show all steps and all work to earn full credit.

Write the number as a product of a real number and i. Simplify the radical expression.

1) $\sqrt{-250}$

Multiply or divide as indicated.

2) $\sqrt{-49} \cdot \sqrt{-25}$

3) $\frac{\sqrt{-175}}{\sqrt{-25}}$

Solve the equation. Express radicals in simplest form.

4) $m^2 - 54 = 0$

5) $3x^2 + 43 = 7$