

$$1) \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

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$$2) a < 0 \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

$$3) a > 0 \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

$$4) a < 0 \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

$$5) R_f = R \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

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$$6) R_f = R \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

$$7) R_f = R \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$

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$$8) R_f = R \quad \frac{-b}{2a} = 2 - 1 \times 2 = -1 \quad R_f = [-1, +\infty)$$