

Quadratic Equations

For each equations, find

- 1) roots by factoring, if possible
- 2) roots by completing the square
- 3) roots by quadratic formula
- 4) sum and product of roots

i. $x^2 - 8x + 7 = 0$

ii. $2x^2 - 8x + 6 = 0$

Find a quadratic equation for the given roots.

i. 3 and -2

ii. $2 + i$

iii. $3 - \sqrt{2}$