

VD Unit 2 Topic 5 Part 1

Find all zeroes for the given polynomial equations.

equation	zeroes
$16x^3 - 20x^2 - 4x + 15 = 0$	$-\frac{3}{4}, 1 \pm \frac{1}{2}i$
$2x^3 - 5x^2 + 12x - 5 = 0$	$\frac{1}{2}, 1 \pm 2i$
$x^4 + 10x^2 + 9 = 0$	$\pm i, \pm 3i$
$x^4 + 29x^2 + 100 = 0$	$\pm 2i, \pm 5i$
$x^4 - 4x^3 + 8x^2 - 16x + 16 = 0$	$\pm 2i, 2, 2$
$2x^4 + 5x^3 + 4x^2 + 5x + 2 = 0$	$\pm i, -2, -\frac{1}{2}$
$x^3 - 10x^2 + 33x - 34 = 0$	$2, 4 \pm i$
$x^4 + 8x^3 + 9x^2 - 10x + 100 = 0$	$-5, -5, 1 \pm i\sqrt{3}$