

8. Simplify to the form $a + bi$ with a, b real numbers.

N.CN.2 Complex numbers

(a) $(6 + 2i) - (7 - 5i)$

(b) $(x - 2i)(2 + 3i) =$

9. Simplify each expression, using imaginary numbers as necessary.

(a) $\sqrt{-9} =$

(b) $\frac{1}{2}\sqrt{-24} =$

10. Write down the solutions to
 $x(x - 7)(2x + 5) = 0$

F.IF.7c Graph polynomials, identify zeros

11. Write down the polynomial function shown in the graph in factored form.

