

Name _____

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Writing Polynomial Functions With Given Zeros (2.5)



I can write a polynomial function given real or non-real zeros.

Example 1: Find a third degree polynomial function with real coefficients that has 0, -1, and 2 as zeros.

Example 2: Find a fourth degree polynomial function with real coefficients that has -2, -2, and $2i$ as zeros.

Try these!

1. Find a third degree polynomial function with real coefficients that has 1, 2, and -3 as zeros.

2. Find a third degree polynomial function with real coefficients that has 2 and i as zeros.

Challenge: Find a third degree polynomial function with real coefficients that has -1 and $2 + i$ as zeros.

Assignment: Polynomial Quiz Review Packet