

Name _____

Date _____

Period _____

Grade _____

Problems.

1. State the relation between the roots and the factors of a polynomial: if c is a root of the polynomial $p(x)$, then

$$p(x) = \underline{\hspace{10cm}}$$

2. Given 5 is a root of $p(x) = x^3 - 5x^2 - 100x + 500$, find all other roots of $p(x)$.