

Bell work Monday 11/20

SAT Prep

Calc

For a polynomial $p(x)$, the value of $p(3)$ is -2 . Which of the following must be true about $p(x)$?

- ~~A) $x - 5$ is a factor of $p(x)$.~~
~~B) $x - 2$ is a factor of $p(x)$.~~
~~C) $x + 2$ is a factor of $p(x)$.~~
D) The remainder when $p(x)$ is divided by $x - 3$ is -2 .

If a polynomial $P(x)$ is divided by $(x-a)$ then $P(a)$ is the remainder of that division.

3 | -2

$P(3) = -2 \leftarrow \text{Remainder.}$

$P(a)$ Remainder
 $(x-a)$