

5.

Which of the following is the quotient of $2a^3 + 1$ divided by $a - 2$

$$\begin{array}{r}
 + (2a^2) + (4a) + (8) \\
 \hline
 a - 2 \quad (2)a^3 + (1) \\
 (2a^3) + (-4a^2) \\
 + (4)a^2 + (1) \\
 + (4a^2) + (-8a) \\
 + (8)a + (1) \\
 + (8a) + (-16) \\
 + (17)
 \end{array}$$