3.

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

$$
\begin{array}{r}
+(\boxed{-x^2}) \quad +(\boxed{x}) \qquad +(\boxed{-2}) \\
\hline
\boxed{x} (-1)x^3 \quad +(1)x^2 \quad +(-2)x \\
(\boxed{-x^3}) \\
+(1)x^2 \quad +(-2)x \\
+(\boxed{x^2}) \\
+(-2)x \\
+(\boxed{-2x}) \\
+(\boxed{0})
\end{array}
$$