

2. $c^3 + 2c^2$ has a factor $(c - (-2))$ compute all other factors:

$$(c - 2) (c + 2) (c + 4)$$

$$c (c + 2)^2$$

$$c^2 (c + 2)$$

$$c (c + 1) (c + 2)$$

Solution

Apply Long Division.

$$c^2 (c + 2)$$