

2. $x^3 - 9x$ has a factor $(x - (-3))$ compute all other factors:

$$(x + 3) (x + 4)^2$$

$$(x - 2) (x - 1) (x + 3)$$

$$(x - 3) x (x + 3)$$

$$(x - 4) (x - 2) (x + 3)$$

Solution

Apply Long Division.

$$(x - 3) x (x + 3)$$