

1. $a^3 - 8a^2 + 20a - 16$ has a factor $(a-2)$ compute all other factors:

$$(a-2)^2 (a+4)$$

$$(a-4) (a-2) (a+1)$$

$$(a-4) (a-2)^2$$

$$(a-2) (a+2) (a+3)$$

Solution

Apply Long Division.

$$(a-4) (a-2)^2$$