

1.  $t^3 - 5t^2 - 2t + 24$  has a factor  $(t - (-2))$  compute all other factors:

$$(t - 4) (t - 1) (t + 1)$$

$$(t - 4)^2 (t - 2)$$

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

$$(t - 4) (t - 3) (t - 2)$$

**Solution**

Apply Long Division.

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