#### Factor each completely.

1) 
$$b^2 + 8b + 7$$
  
 $(b+7)(b+1)$ 

2) 
$$n^2 - 11n + 10$$
  
 $(n - 10)(n - 1)$ 

3) 
$$m^2 + m - 90$$
  
 $(m-9)(m+10)$ 

4) 
$$n^2 + 4n - 12$$
  
 $(n-2)(n+6)$ 

5) 
$$n^2 - 10n + 9$$
  
 $(n-1)(n-9)$ 

6) 
$$b^2 + 16b + 64$$
  
 $(b + 8)^2$ 

7) 
$$m^2 + 2m - 24$$
  
 $(m+6)(m-4)$ 

8) 
$$x^2 - 4x + 24$$
  
Not factorable

9) 
$$k^2 - 13k + 40$$
  
 $(k-5)(k-8)$ 

10) 
$$a^2 + 11a + 18$$
  
 $(a + 2)(a + 9)$ 

11) 
$$n^2 - n - 56$$
  
 $(n+7)(n-8)$ 

12) 
$$n^2 - 5n + 6$$
  
 $(n-2)(n-3)$ 

-1-

# **Factoring Polynomials Part 1 Kuta Answers**

J Elliott

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