

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Factor each completely

1)  $a^2 - 49$   
 $(a-7)(a+7)$

3)  $p^2 - 144$   
 $(p-12)(p+12)$

15)  $9b^2 - 25$   
 $(3b+5)(3b-5)$

17)  $16r^2 - 25$   
 $(4r-5)(4r+5)$

19)  $25m^2 - 9$   
 $(5m-3)(5m+3)$

25)  $144x^2 - 25y^2$   
 $(12x+5y)(12x-5y)$

2)  $a^2 - 64$   
 $(a+8)(a-8)$

4)  $b^2 - 25$   
 $(b+5)(b-5)$

16)  $1 - a^2$   
 $(a+1)(a-1)$

18)  $m^2 - 9$   
 $(m+3)(m-3)$

20)  $16v^2 - 9$   
 $(4v-3)(4v+3)$

26)  $25u^2 - v^2$   
 $(5u-v)(5u+v)$