

Factorise the following:

1	$6b^2 + 18b$	
2	$2n + 4$	
3	$15 + 20a$	
4	$6n^2 - 54mn$	
5	$12p^2q - 21pq^2$	
6	$10m^2n + 20m$	
7	$6n - 9$	
8	$54m^2 + 81m$	
9	$a^2 - 4ac^2$	
10	$6mn + 18mp$	
11	$15m - 45m^2$	
12	$6m^2 + 14mn$	
13	$6m + m^2$	
14	$12ab + 6ac$	
15	$-15a^2bc - 25a^2b^2 + 35b^2$	
16	$5m - 10$	
17	$16a^2b^2 + 22a^4b^4$	
18	$c^2 - 3ac^2$	
19	$3y + 15$	
20	$2a - 16n + 18m$	

Answer Key:

1	$6b(b+3)$
2	$2(n+2)$
3	$5(3+4a)$
4	$6n(n-9m)$
5	$3pq(4p-7q)$
6	$10m(mn+2)$
7	$3(2n-3)$
8	$9m(6m+9)$
9	$a(a-4c^2)$
10	$6m(n+3p)$
11	$15m(1-3m)$
12	$2m(3m+7n)$
13	$m(6+m)$
14	$6a(2b+c)$
15	$-5b(3a^2c+5a^2b-7b)$
16	$5(m-2)$
17	$2a^2b^2(8+11a^2b^2)$
18	$c^2(1-3a)$
19	$3(y+5)$
20	$2(a-8n+9m)$