

Factorise the following by taking out the Highest Common Factor (H.C.F)

1	$5y + 10 =$	
2	$24m - 36 =$	
3	$9a^2 + 27a =$	
4	$m^2 - 12m =$	
5	$7a^3 - 49a^2 =$	
6	$-8x^2 - 56 =$	
7	$-12a^2 - 60 =$	
8	$-9m^2 - 21m =$	
9	$-7x^2y^2 + 63xy =$	
10	$-y - 8xy =$	
11	$-6abc + 10ab =$	
12	$-13x - 26xy =$	
13	$24ab - 6a^2b =$	
14	$35m^2n^2 - 10mn =$	
15	$-16a - 12b =$	
16	$14a + 7b - 28c =$	
17	$6m^2 + 2m + 12 =$	
18	$5x + 5y + 5z =$	
19	$-7a - 7ab - 21 =$	
20	$12mn - m^2 - 6m =$	

Answer Key:

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