

**Corrective Assignment****Answer the following. Justify your answer by showing work!**1. Is  $(2x - 5)(x + 3)$  the factored form of  $2x^2 - x - 15$  ?2. Is  $(4x + 3)(2x - 7)$  the factored form of  $8x^2 - 22x - 21$  ?3. Is  $(3h + 4)(3h - 4)$  the factored form of  $6h^2 - 8$  ?4. Is  $(7p + 5)(3p + 2)$  the factored form of  $21p^2 + 29p + 10$ **Factor the following if possible. Check your answer by multiplying!**5.  $2x^2 + 5x - 3$ 6.  $4x^2 - 49$ 7.  $12x^2 + 17x - 5$ 8.  $5p^2 + 9p - 2$ 9.  $4n^2 - 17n + 4$ 10.  $25d^2 - 36$

Solve the following by factoring.

11.  $6x^2 - x = 2$

12.  $3m^2 + 5m = 2$

13.  $-22x = 7x^2 + 3$

14.  $6d^2 - 11d = -3$

15.  $9y^2 - 25 = 0$

16.  $0 = 3f^2 - 14f + 15$

### ANSWERS TO CORRECTIVE ASSIGNMENT

1. NO	2. YES	3. NO	4. YES
5. $(2x - 1)(x + 3)$	6. $(2x - 7)(2x + 7)$	7. $(4x - 1)(3x + 5)$	8. $(5p - 1)(p + 2)$
9. $(n - 4)(4n - 1)$	10. $(5d + 6)(5d - 6)$	11. $x = -\frac{1}{2}, \frac{2}{3}$	12. $m = -2, \frac{1}{3}$
13. $x = -3, -\frac{1}{7}$	14. $d = \frac{1}{3}, \frac{3}{2}$	15. $y = -\frac{5}{3}, \frac{5}{3}$	16. $f = \frac{5}{3}, 3$