

Intervention of factoring and multiplying

Period _____ Group _____

Factor the common factor out of each expression.

1) $-18m^3 + 21m + 21$

2) $-15p^3 - 9p^4 + 15p^5$

Factor each completely.

3) $x^2 + 3x - 4$

4) $m^2 + 14m + 48$

5) $m^2 + 2m - 15$

6) $b^2 - 11b + 30$

7) $4r^2 - 28r + 24$

8) $3x^2 + 18x - 81$

9) $4b^2 + 24b + 32$

10) $3x^2 - 18x - 81$

11) $5n^2 + 30n + 25$

12) $5n^2 - 15n - 350$

Answers to Intervention of factoring and multiplying (ID: 1)

1) $3(-6m^3 + 7m + 7)$

2) $3p^3(-5 - 3p + 5p^2)$

3) $(x - 1)(x + 4)$

4) $(m + 8)(m + 6)$

5) $(m + 5)(m - 3)$

6) $(b - 6)(b - 5)$

7) $4(r - 6)(r - 1)$

8) $3(x - 3)(x + 9)$

9) $4(b + 4)(b + 2)$

10) $3(x - 9)(x + 3)$

11) $5(n + 1)(n + 5)$

12) $5(n + 7)(n - 10)$