

Homework 28.2

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Factor each completely.

1) $2x^2 + 5x - 12$

2) $5n^2 - 29n + 20$

3) $3k^2 + 13k + 12$

4) $4x^2 + 20x + 21$

5) $4b^2 + 15b + 9$

6) $6x^2 - 35x - 6$

Solve each system by substitution.

7) $2x + 4y = 22$
 $y = -5x + 10$

8) $y = 3x - 13$
 $-2x + 6y = -14$

Answers to Homework 28.2

1) $(2x - 3)(x + 4)$

2) $(5n - 4)(n - 5)$

3) $(3k + 4)(k + 3)$

4) $(2x + 7)(2x + 3)$

5) $(b + 3)(4b + 3)$

6) $(x - 6)(6x + 1)$

7) $(1, 5)$

8) $(4, -1)$