

Quiz 28.2

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Factor each completely.

1) $5x^2 + 19x + 12$

- A) $(5x + 4)(x + 3)$
- B) $(5x + 4)(x - 3)$
- C) $(x + 4)(5x + 3)$
- D) Not factorable

2) $5m^2 + m - 4$

- A) $(5m - 1)(m + 5)$
- B) Not factorable
- C) $(5m - 4)(m + 1)$
- D) $(m - 4)(5m + 1)$

3) $4n^2 + 7n - 2$

- A) $2(2n + 1)(n - 1)$
- B) $(n + 2)(4n - 1)$
- C) $(n + 6)(4n - 1)$
- D) $(n + 2)(4n + 1)$

4) $6p^2 + 17p + 12$

- A) $(2p - 7)(3p + 2)$
- B) $(2p - 3)(3p - 4)$
- C) $(2p + 3)(3p + 4)$
- D) $(2p - 1)^2$

Solve each system by substitution.

5) $y = 5x + 18$

$$6x - 2y = -16$$

- A) $(-6, -5)$
- B) $(-5, -7)$
- C) $(5, -7)$
- D) $(7, -5)$

6) $y = -6x + 12$

$$2x - 3y = 4$$

- A) $(-2, 6)$
- B) $(2, 0)$
- C) $(6, -2)$
- D) $(2, -6)$