

Factoring polynomials 02 Class Time Examples**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

_____ 1. Select which is equivalent to:

$$6x^2 - 5x - 4$$

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

b. $(3x + 4)(2x + 1)$

c. $(3x - 4)(2x - 1)$

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

_____ 2. Select which is equivalent to:

$$9x^2 - 21x + 10$$

a. $(3x - 2)(3x + 5)$

b. $(3x + 2)(3x + 5)$

c. $(3x - 2)(3x - 5)$

d. $(3x + 2)(3x - 5)$

_____ 3. Select which is equivalent to:

$$6x^2 - 19x + 15$$

a. $(3x + 5)(2x + 3)$

b. $(3x - 5)(2x + 3)$

c. $(3x - 5)(2x - 3)$

d. $(3x + 5)(2x - 3)$

_____ 4. Select which is equivalent to:

$$2x^2 + 16x + 30$$

a. $(2x - 6)(1x - 5)$

b. $(2x + 6)(1x - 5)$

c. $(2x - 6)(1x + 5)$

d. $(2x + 6)(1x + 5)$

_____ 5. Select which is equivalent to:

$$6x^2 - 21x + 15$$

a. $(3x + 3)(2x + 5)$

b. $(3x + 3)(2x - 5)$

c. $(3x - 3)(2x - 5)$

d. $(3x - 3)(2x + 5)$

_____ 6. Select which is equivalent to:

$$2x^2 + 4x + 2$$

a. $(2x - 2)(1x - 1)$

b. $(2x - 2)(1x + 1)$

c. $(2x + 2)(1x + 1)$

d. $(2x + 2)(1x - 1)$

_____ 7. Select which is equivalent to:

$$6x^2 + 4x - 16$$

a. $(3x - 4)(2x - 4)$

b. $(3x - 4)(2x + 4)$

c. $(3x + 4)(2x + 4)$

d. $(3x + 4)(2x - 4)$

_____ 8. Select which is equivalent to:

$$6x^2 - 18x + 12$$

a. $(3x + 3)(2x - 4)$

b. $(3x + 3)(2x + 4)$

c. $(3x - 3)(2x + 4)$

d. $(3x - 3)(2x - 4)$

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Answer Section

MULTIPLE CHOICE

- | | |
|-----------|--------|
| 1. ANS: A | PTS: 1 |
| 2. ANS: C | PTS: 1 |
| 3. ANS: C | PTS: 1 |
| 4. ANS: D | PTS: 1 |
| 5. ANS: C | PTS: 1 |
| 6. ANS: C | PTS: 1 |
| 7. ANS: B | PTS: 1 |
| 8. ANS: D | PTS: 1 |

