

Factoring polynomials 02 Daily Work**Multiple Choice**

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

_____ 1. Select which is equivalent to:

$$9x^2 - 15x + 4$$

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

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

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

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

_____ 2. Select which is equivalent to:

$$6x^2 - 3x - 30$$

a. $(3x - 6)(2x + 5)$

b. $(3x + 6)(2x - 5)$

c. $(3x + 6)(2x + 5)$

d. $(3x - 6)(2x - 5)$

_____ 3. Select which is equivalent to:

$$6x^2 + 0x - 6$$

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

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

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

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

_____ 4. Select which is equivalent to:

$$9x^2 + 27x + 20$$

a. $(3x + 4)(3x - 5)$

b. $(3x - 4)(3x + 5)$

c. $(3x + 4)(3x + 5)$

d. $(3x - 4)(3x - 5)$

_____ 5. Select which is equivalent to:

$$9x^2 + 18x + 5$$

a. $(3x - 5)(3x + 1)$

b. $(3x + 5)(3x + 1)$

c. $(3x - 5)(3x - 1)$

d. $(3x + 5)(3x - 1)$

_____ 6. Select which is equivalent to:

$$9x^2 + 6x - 3$$

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

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

c. $(3x + 3)(3x - 1)$

d. $(3x - 3)(3x - 1)$

_____ 7. Select which is equivalent to:

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

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

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

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

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

_____ 8. Select which is equivalent to:

$$6x^2 + 27x + 30$$

a. $(2x + 5)(3x - 6)$

b. $(2x - 5)(3x - 6)$

c. $(2x - 5)(3x + 6)$

d. $(2x + 5)(3x + 6)$

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Answer Section

MULTIPLE CHOICE

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

