Exercises – Factoring Trinomials

1

$$x^2 - 2x - 24$$

Which of the following is equivalent to the expression above?

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

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

C) $(x-6)(x+4)$

D) $(x+6)(x-4)$

2

$$x^2 - 17x + 72$$

Which of the following is equivalent to the expression above?

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

B) $(x-8)(x-9)$

C) $(x-12)(x-6)$

D) $(x-12)(x+6)$

3

$$-x^2 + 5x + 84$$

Which of the following is equivalent to the expression above?

A) $(12-x)(x+7)$

B) $(12+x)(x-7)$

C) $(21+x)(x-4)$

D) $(21-x)(x+4)$

4

$$3x^2 + 7x - 6$$

Which of the following is equivalent to the expression above?

A) $(3x-2)(x+3)$

B) $(3x+2)(x-3)$

C) $(3x-1)(x+6)$

D) $(3x+1)(x-6)$

5

$$2x^2 + x - 15$$

Which of the following is equivalent to the expression above?

A) $(2x+3)(x-5)$

B) $(2x-3)(x+5)$

C) $(2x-5)(x+3)$

D) $(2x+5)(x-3)$

6

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

Which of the following is equivalent to the expression above?

A) $-(6x+1)(x-2)$

B) $-(6x-1)(x+2)$

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

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