

## Factoring Quadratics (B)

Factor each expression

1.  $4x^2 + 24x + 32$

11.  $4x^2 + 6x - 40$

2.  $2x^2 + 9x + 7$

12.  $x^2 + 10x + 9$

3.  $2x^2 + 12x - 32$

13.  $2x^2 + 3x - 5$

4.  $2x^2 - 8x - 10$

14.  $2x^2 + 14x + 24$

5.  $x^2 + 4x + 4$

15.  $x^2 - 3x - 18$

6.  $2x^2 + 5x - 63$

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

7.  $x^2 + 5x - 24$

17.  $x^2 - 5x - 24$

8.  $2x^2 - 11x - 6$

18.  $4x^2 + 26x + 36$

9.  $2x^2 - 2x - 4$

19.  $x^2 + 11x + 24$

10.  $4x^2 - 6x - 40$

20.  $2x^2 - 10x - 72$

# Factoring Quadratics (B) Answers

Factor each expression

1.  $4x^2 + 24x + 32$   
 $(2x + 4)(2x + 8)$

2.  $2x^2 + 9x + 7$   
 $(2x + 7)(x + 1)$

3.  $2x^2 + 12x - 32$   
 $(x + 8)(2x - 4)$

4.  $2x^2 - 8x - 10$   
 $(x - 5)(2x + 2)$

5.  $x^2 + 4x + 4$   
 $(x + 2)(x + 2)$

6.  $2x^2 + 5x - 63$   
 $(2x - 9)(x + 7)$

7.  $x^2 + 5x - 24$   
 $(x - 3)(x + 8)$

8.  $2x^2 - 11x - 6$   
 $(2x + 1)(x - 6)$

9.  $2x^2 - 2x - 4$   
 $(x + 1)(2x - 4)$

10.  $4x^2 - 6x - 40$   
 $(2x - 8)(2x + 5)$

11.  $4x^2 + 6x - 40$   
 $(2x - 5)(2x + 8)$

12.  $x^2 + 10x + 9$   
 $(x + 9)(x + 1)$

13.  $2x^2 + 3x - 5$   
 $(x - 1)(2x + 5)$

14.  $2x^2 + 14x + 24$   
 $(2x + 6)(x + 4)$

15.  $x^2 - 3x - 18$   
 $(x - 6)(x + 3)$

16.  $2x^2 - 4x - 6$   
 $(x - 3)(2x + 2)$

17.  $x^2 - 5x - 24$   
 $(x + 3)(x - 8)$

18.  $4x^2 + 26x + 36$   
 $(2x + 4)(2x + 9)$

19.  $x^2 + 11x + 24$   
 $(x + 3)(x + 8)$

20.  $2x^2 - 10x - 72$   
 $(2x + 8)(x - 9)$