

Factoring Review – Answer Key

1. $6(x + 6)$
2. $18x(x - 3)$
3. $2(x^2 - 100x + 17)$
4. $3x^2y(x^2yz - 4y^2z^2 + 5x^3)$
5. $4x^2y^4(1 - 4x^2y^4) = 4x^2y^4(1 + 2xy^2)(1 - 2xy^2)$

1. $(x + 2)(x - 2)$
2. $(5x + 11)(5x - 11)$
3. $(7x + 6)(7x - 6)$
4. $(2x + 9y)(2x - 9y)$
5. $(20x + 19)(20x - 19)$

1. $2x^2 + 7x - 3$
2. $(x + y)(3x + 1)$
3. $(2x^2 - 5)(x + 4)$
4. $(x^3 + 10)(3x - 4)$
5. $(4x - 7)(x^2 - 5)$

1. $(x - 2)(x + 8)$
2. $(x + 4)(x - 1)$
3. $(x - 5)(x - 3)$
4. $(x - 4)(x + 17)$
5. $(x + 8)(x + 11)$
6. $(x + 3)(x + 3)$

1. $(x + 4)(2x - 7)$
2. $(x - 5)(3x - 1)$
3. $(x - 7)(5x + 2)$
4. $2(x - 2)(3x - 1)$
5. $(2x + 3)(7x + 3)$
6. $(5x - 2)(5x + 1)$
7. $2(3x - 2)(5x + 3)$
8. $(7x - 5)(10x - 7)$
9. $(3x - 2)(4x + 5)$
10. $(3x + 11)(5x - 7)$