

**Choosing a Factoring Method for Polynomials**

 Factor the polynomials expression completely.

1)  $xy^2 - 4xy + 4x =$

14)  $3xy^2 - 36xy + 108x =$

2)  $xy^2 - 8xy + 16x =$

15)  $4xy^2 + 24xy + 36x =$

3)  $xy^2 + 6xy + 9x =$

16)  $7xy^2 + 56xy + 112x =$

4)  $xy^2 - 8xy + 16x =$

17)  $5xy^2 - 90xy + 405x =$

5)  $4xy^2 + 36xy + 81x =$

18)  $4xy^2 - 56xy + 196x =$

6)  $16xy^2 - 40xy + 25x =$

19)  $4xy^2 - 20xy + 25x =$

7)  $xy^2 + 12xy + 36x =$

20)  $8xy^2 + 48xy + 72x =$

8)  $4xy^2 + 20xy + 25x =$

21)  $9xy^2 - 24xy + 16x =$

9)  $9xy^2 - 42xy + 49x =$

22)  $27xy^2 + 36xy + 12x =$

10)  $16xy^2 - 24xy + 9x =$

23)  $18xy^2 - 24xy + 8x =$

11)  $4xy^2 + 32xy + 64x =$

24)  $32xy^2 - 96xy + 72x =$

12)  $18xy^2 - 60xy + 50x =$

25)  $20xy^2 - 140xy + 245x =$

13)  $2xy^2 + 20xy + 50x =$

26)  $64xy^2 + 160xy + 100x =$