

GCF and Difference of Squares Classwork

Factor the greatest common factor out of each polynomial. If the GCF is 1, write PRIME.

1. $8x^2 + 10x$

2. $12y - 16$

3. $-15d^5 + 45d^3$

4. $13a + 20b$

5. $c^3 + c^2 - c$

6. $6n^2 - 30n + 42$

7. $-7m^2 - 10m + 17$

8. $18p^3 - 63p^2 - 9p$

Factor the difference of squares.

9. $x^2 - 25$

10. $x^2 - 1$

11. $b^2 - 81$

12. $m^2 - 100$

13. $p^2 - 225$

14. $4y^2 - 1$

15. $16n^2 - 25$

16. $9w^2 - 100$