

Name: _____

Factoring Common Monomial

Factor each expression completely

1 $6k^2 - 66k$

2 $6w^4 - 10w^3 + 2w$

3 $11x^2 - 165x$

4 $4p^2 - 32p$

5 $2x^2 - 8x$

6 $2y^5 - 18y^3$

7 $22m^2 - 99m$

8 $4x^2 - 196x$

9 $x^4 - x^3$

10 $2v^2 - 80v$

11 $25m^2 + 5m$

12 $15y^5 - 3y^2$

13 $30p + 60$

14 $4x^2 + 8x$

Factoring Common Monomial

Answers

1 $6k^2 - 66k$

$6k(k - 11)$

3 $11x^2 - 165x$

$11x(x - 15)$

5 $2x^2 - 8x$

$2x(x - 4)$

7 $22m^2 - 99m$

$11m(2m - 9)$

9 $x^4 - x^3$

$x^3(x - 1)$

11 $25m^2 + 5m$

$5m(5m + 1)$

13 $30p + 60$

$30(p + 2)$

2 $6w^4 - 10w^3 + 2w$

$2w(3w^3 - 5w^2 + 1)$

4 $4p^2 - 32p$

$4p(p - 8)$

6 $2y^5 - 18y^3$

$2y^3(y + 3)(y - 3)$

8 $4x^2 - 196x$

$4x(x - 49)$

10 $2v^2 - 80v$

$2v(v - 40)$

12 $15y^5 - 3y^2$

$3y^2(5y^3 - 1)$

14 $4x^2 + 8x$

$4x(x + 2)$