

Worksheet 8.5 #1

Date _____ Period _____

© 2014 Kuta Software LLC. All rights reserved.

Find the greatest common factor of each expression.

1) $24n^3 - 80n + 72$

2) $15v^2 + 3v + 9$

3) $24b + 32b^2 + 32b^3$

4) $-18 + 60x^2 + 54x$

5) $12y - 12x - 3$

6) $7m^2n^2 + 14m^3 - 63m^2$

7) $45n^4m - 90n^4 - 54n^3$

8) $48x^3y^3 - 18x^2y^2 - 6x^3$

$$9) 54p^4m^2q^3 - 45p^4m^2 + 54p^2q^2$$

$$10) -63mn^3p^2 - 72m^3n^2p^2 + 81m^3n^3p$$

$$11) 63h^5j^2k^2 + 21h^4j^3k^4 + 14h^4j^6k^2$$

$$12) 7xy^2z^8 - 5x^4y^2z^4 + 9xy^4z$$

$$13) -42x^5 + 42xy^2z + 48x^2y - 30x$$

$$14) -56xy^6z - 96x^2y^3z^3 + 40x^3y^6z + 80x^4y^3z$$

$$15) -5qp^3r^6 + 30q^2r^2 + 15q - 15qp^3r$$

$$16) -8xy^4z^6 - 40xy^2z^3 + 48x^2y^2z^2 + 80xy^2z^2$$