

Name _____ Date _____

Dividing powers with coefficients and the same base

Simplify the following

1) $18p^8 \div 6p^5$

$$3p^{8-5}$$

$$3p^3$$

2) $12a^5 \div 3a^3$

3) $28k^7 \div 4k^2$

4) $10m^9 \div 5m$

5) $20c^6 \div 2c^3$

6) $90f^8 \div 10f^5$

7) $36w^6 \div 9w^2$

8) $\frac{54y^{11}}{9y^7}$

9) $\frac{12b^3}{3b}$

10) $(4x^5)(-3x^2)$

$$-12x^{5+2}$$

$$-12x^7$$

11) $(5x^5y)(3x^2y^2)$

12) $(-5y^3)(2y^4)$

13) $(9a^4b)(2ab^3)$

14) $(-5c^5d^3)(8c^2d^2)$

15) $(9x^6y^2)(3y)$

