



Name

Score

Solve and show all steps.

$$(a^m b)^n$$

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

$$(x^3 y^4)^2$$

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

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

$$(3x^{-3} y^5)^{-2}$$

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

$$(-3x^{-2} y^5)^{-3}$$

$$4(2x^3 y^{-5})^2$$

$$-4(-2x^3 y^{-5})^2$$



Solve and show all steps.

$$a^{mn}b^n$$

$$x^{15}y^3$$

$$x^6y^8$$

$$9x^6y^{10}$$

$$9x^6y^{10}$$

$$\frac{x^6}{9y^{10}}$$

$$-8x^9y^{15}$$

$$-\frac{x^6}{27y^{15}}$$

$$\frac{16x^6}{y^{10}}$$

$$-\frac{16x^6}{y^{10}}$$