



Name

Score

Solve and show all steps.

$$a^m \cdot a^n$$

$$x^3 \cdot x^5$$

$$4x^4 \cdot 7x^{10}$$

$$-3x \cdot 6x^4$$

$$\frac{2}{3}x^4y \cdot 6xy^5$$

$$m^8n^3 \cdot m^{-2}n^2$$

$$j^3(4j^2 + 5j - 7)$$

$$-5ab^2(9 - 4a^4 + 5ab)$$

$$\frac{1}{c^2d} \cdot \frac{3}{c^4d}$$

$$3h^5k^2 \cdot -4h^3k^{-\frac{1}{2}}$$



Solve and show all steps.

$$a^{m+n}$$

$$x^8$$

$$28x^{14}$$

$$-18x^5$$

$$4x^5y^6$$

$$m^6n^5$$

$$4j^5 + 5j^4 - 7j^3$$

$$-45ab^2 + 20a^5b^2 - 25a^2b^3$$

$$c^{\frac{5}{4}}d^2$$

$$-12h^{\frac{13}{15}}k^{\frac{3}{2}}$$