Skills 1-2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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|  | Example | Problem |
| 1 | $$2x^{8}∙4x^{-3}$$8x5 | $$7n^{5}∙3n^{-4}$$ |
| 2 | $$3j^{5}k^{8}∙j^{-2}k^{-3}$$3j3k5 | $$6a^{4}b^{6}∙a^{-3}b^{-2}$$ |
| 3 | $$\left(3d^{5}\right)\left(2d^{3}\right)\left(10d^{7}\right)$$60d15 | $$\left(2q^{2}\right)\left(4q^{12}\right)\left(5q^{5}\right)$$ |
| 4 | $$\frac{30c^{4}}{5c^{10}}$$6c-6$\frac{6}{c^{6}}$  | $$\frac{24p^{2}}{8p^{5}}$$ |
| 5 | $$\frac{35m^{-4}}{5m^{3}}$$7m-7$\frac{7}{m^{7}}$  | $$\frac{32x^{-1}}{4x^{5}}$$ |

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|  | Example | Problem |
| 6 | $$\frac{3p^{5}q^{2}r^{7}}{p^{3}q^{6}r^{3}}$$3p2q-4r4$\frac{3p^{2}r^{4}}{q^{4}}$  | $$\frac{4a^{7}b^{3}c^{5}}{a^{4}b^{8}c^{2}}$$ |
| 7 | $$\frac{10de^{3}f^{-2}}{2d^{5}e^{9}f^{4}}$$5d-4e-6f-6$\frac{5}{d^{4}e^{6}f^{6}} $  | $$\frac{12mn^{2}p^{-8}}{6m^{3}n^{8}p^{5}}$$ |
| 8 | $$\left(4^{2}\right)^{0}$$1 | $$\left(x^{7}\right)^{0}$$ |
| 9 | $$\left(5z^{3}\right)^{-3}$$5-3z-9$\frac{1}{5^{3}z^{9}}$  | $$\left(3x^{4}\right)^{-2}$$ |
| 10 | $$\left(3g^{-3}h^{6}\right)^{3}$$33g-9h18$\frac{3^{3}h^{18}}{g^{9}}$  | $$\left(5j^{-4}k^{7}\right)^{2}$$ |