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

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|  | Example | Problem |
| 1 | $$3x^{2}∙5x^{4}$$15x6 | $$4m^{3}∙2m^{7}$$ |
| 2 | $$3c^{2}∙4d$$12c2d | $$2y^{3}∙5x$$ |
| 3 | $$6j^{3}k^{-4}∙2j^{-6}k^{8}$$12j-3k4 | $$4x^{4}y^{-2}∙8x^{-5}y^{7}$$ |
| 4 | $$2p^{3}q∙4q^{10}r^{-4}∙2pr^{9}$$16p4q11r5 | $$6a^{2}b∙3b^{4}c^{-3}∙10ac^{8}$$ |
| 5 | $$\frac{3f^{4}}{f^{10}}$$3f-6 | $$\frac{2m^{6}}{m^{8}}$$ |

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|  | Example | Problem |
| 6 | $$\frac{9k^{2}}{3k^{9}}$$3k-7 | $$\frac{8r^{3}}{2r^{5}}$$ |
| 7 | $$\frac{20a^{8}b^{7}}{4a^{-3}b}$$5a11b6 | $$\frac{100x^{10}y^{9}}{5x^{-2}y}$$ |
| 8 | $$\left(3x^{3}\right)^{4}$$34x12 | $$\left(5a^{5}\right)^{2}$$ |
| 9 | $$\left(u^{4}v^{-2}\right)^{3}$$u12v-6 | $$\left(x^{3}y^{-1}\right)^{5}$$ |
| 10 | $$\left(2d^{-3}e^{4}f\right)^{-4}$$2-4d12e-16f-4 | $$\left(3j^{-4}k^{3}l\right)^{-2}$$ |