

Quiz 6.5

Easy!

1) Simplify  $c^4 \cdot c^7$

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2) Simplify  $(d^8)^3$

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3) Simplify  $\frac{e^5}{e^2}$

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4) Change 38,000 to scientific notation.

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Medium!

5) Simplify  $(fg^2)^3$

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6) Simplify  $j^2k \cdot j^5k^7$

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7) Simplify  $\frac{15m^{90}}{5m^{40}}$

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8) Write  $4.57 \times 10^7$  in standard notation.

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Fun Ones!

9) Write  $57 \times 10^4$  in scientific notation

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10) Simplify  $(ab^2)^3 \cdot a^4b^2$

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11) Distribute  $2x^2y(x^3y^3 - 4xy)$

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12) Mr. Towne's car is six years old. It is currently worth \$6800 and loses 11% of its value every year. What was the original cost?

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Quiz 6.5

Easy!

1) Simplify  $\frac{u^7}{u^3}$

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2) Simplify  $v^2 \cdot v^7$

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3) Simplify  $(w^6)^3$

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4) Change 130,000 to scientific notation.

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Medium!

5) Write  $1.68 \times 10^8$  in standard notation.

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6) Simplify  $(a^2b)^4$

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7) Simplify  $mn^2 \cdot m^4n^8$

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8) Simplify  $\frac{28m^{40}}{7m^{30}}$

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Fun Ones!

9) Write  $93 \times 10^5$  in scientific notation

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10) Simplify  $(de^4)^2 \cdot d^4e^3$

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11) Distribute  $3xy^2(4xy - x^3y^3)$

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12) Ms. Hoffman's car is twelve years old. It is currently worth \$1800 and loses 11% of its value every year. What was the original cost?

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