

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.

****Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.**

1) $\frac{3}{a^{-6}}$

2) $\frac{-4a^2}{a^5}$

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

4) $16x^0$

5) $9q^{-3}(r^2q)$

6) $(3m^4)^2$

7) $(x^0 + 6)^2$

8) $3(k^{-2})^3$

9) $(x^{-2})^{-4}$

10) $(5x)^2$

11) $(x + 4)^2$

12) $\frac{12m^2p^3}{16m^6p}$

13) $7a^5m^3 \cdot 2am^3$

14) $\left(\frac{a^3}{5}\right)^{-2}$

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.**Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.

1) $\frac{-6}{w^{-6}}$

2) $\frac{-4bw^4}{w^7}$

3) $(x^5x^{-7})(xy^{-8})$

4) $3gh^0$

5) $6y^{-2}$

6) $(x-8)^2$

7) $(4-m^0)^3$

8) $(f^{-4})^{-6}$

9) $(5m)^3$

10) $(3m^5)^4$

11) $5(k^{-7})^2$

12) $\frac{15m^5p}{24m^{-3}p^4}$

13) $6v^5m^4 \cdot 7vm^7$

14) $\left(\frac{3d^2}{4}\right)^{-3}$

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.**Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.

1) $\frac{-6}{12x^{-4}}$

2) $\frac{-5rw^{-3}}{r^9}$

3) $(5x^4y^{-8})(3x^{-1}y^3)$

4) $9nm^0$

5) $8m^{-2}$

6) $(7m^{-3})^2$

7) $(5 - 2y^0)^4$

8) $9(k^{-7})^2$

9) $(t^{-4})^{-4}$

10) $(-2x)^3$

11) $(x - 9)^2$

12) $\frac{15j^{-4}p^{-5}}{24j^{-2}p^6}$

13) $-4a^{-1}m^4 \cdot (-3am^5)$

14) $\left(\frac{5w^8}{4}\right)^{-3}$

15) $(3abc)^0$

16) $\frac{6(m^{-9}p^{-2})}{15m^4p^{-3}}$

17) $10\left(\frac{5w^4}{6}\right)^{-2}$

Chapter 1 Exponent Quiz STUDY GUIDE 4

15 Minutes

Name _____ ~~Hr~~ _____

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.****Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.**

1) $\frac{-9}{6x^{-3}}$

2) $\frac{-2rw^{-6}}{r^7}$

3) $(2x^9y^5)(6x^3y^2)$

4) $4rt^0$

5) $4m^{-3}$

6) $(3m^{-3})^3$

7) $(8 + 3y^0)^4$

8) $-3(k^{-5})^4$

9) $(f^{-2})^{-6}$

10) $(-4x)^3$

11) $(x - 5)^2$

12) $\frac{18j^{-2}p^{-7}}{24j^{-5}p^4}$

13) $-3a^{-1}m^8 \cdot (-8am^6)$

14) $\left(\frac{6q^9}{7}\right)^{-2}$

15) $4(9mby)^0$

16) $\frac{10(m^{-2}p^{-7})}{15m^3p^{-3}}$

17) $6\left(\frac{4w^3}{7}\right)^{-2}$

Chapter 1 Exponent Quiz STUDY GUIDE 5

15 Minutes

Name _____ Hr _____

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.**Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.

1) $\frac{6}{-15x^{-2}}$

2) $\frac{-8Th^8}{T^6h}$

3) $(x^4y^5)(x^6y^7)$

4) $6(pq)^0$

5) $8q^{-9}$

6) $(5m^7)^3$

7) $(3 + m^0)^4$

8) $5(k^{-5})^5$

9) $(xy^{-2})^{-4}$

10) $(-6a)^3$

11) $(x - 9)^2$

12) $\frac{16m^{-2}p^{-9}}{12m^{-9}p^5}$

13) $-4a^2 \cdot 9a^{-5}$

14) $\left(\frac{9w^3}{6}\right)^{-2}$

15) $-3(-2mr)^0$

16) $\frac{12(m^{-8}p^{-7})}{15m^5p^{-6}}$

17) $8\left(\frac{4w^6}{5}\right)^{-2}$

Chapter 1 Exponent Quiz STUDY GUIDE 6

15 Minutes

Name _____ Hr _____

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.****Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.**

1) $\frac{-6}{9m^{-2}}$

2) $\frac{-3rt^{-4}}{r^6t}$

3) $(m^3p^7)(m^5p^{-7})$

4) $-2 + (-3mq)^0$

5) $7q^{-2}$

6) $(4m^6)^{-3}$

7) $(3m^0)^3$

8) $-4(k^{-2})^3$

9) $(xy^{-3})^{-5}$

10) $(-5a)^3$

11) $(x - 10)^2$

12) $\frac{12m^{-7}p^{-4}}{21m^{-9}p}$

13) $-2a^8 \cdot 3a^{-4}$

14) $\left(\frac{9w^6}{12}\right)^{-2}$

15) $-4(-3mb)^0$

16) $\frac{12(m^{-1}p^{-2})}{8m^9p^{-5}}$

17) $30\left(\frac{3w^5}{4}\right)^{-2}$

Chapter 1 Exponent Quiz STUDY GUIDE 7

Name _____ Hr _____

15 Minutes

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.**Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.

1) $\frac{-8e^{-4}}{-20m^{-3}}$

2) $\frac{-7r^8t^{-6}}{rt}$

3) $(2m^4p^6)(m^5p^{-1})$

4) $-5 + (-3mq)^0 - x$

5) $11(2x + 7)^2$

6) $(2m^3)^{-5}$

7) $2q^{-3}$

8) $-6(k^{-5})^2$

9) $(xy^{-4})^{-9}$

10) $(-3dm^0)^2$

11) $(-3a)^4$

12) $\frac{15m^{-8}p}{21m^{-5}p^{-3}}$

13) $-5a^{-2} \cdot -3a^{-3}$

14) $\left(\frac{8w^6}{12}\right)^{-2}$

15) $32\left(\frac{2w^4}{3}\right)^{-2}$

16) $-2(-5mb)^0 + -x^0$

17) $\frac{9(m^{-6}p^{-1})}{21m^3p^{-9}}$

Chapter 1 Exponent Quiz STUDY GUIDE 8

15 Minutes

Name _____ Hr _____

Calculator Ok

Simplify. Leave all answers in reduced fraction form (no decimals), if applicable, with no negative exponents.**Please write answers as a single fraction - i.e. if the answer is $\frac{2}{3}xy^5$ instead write: $\frac{2xy^5}{3}$ on this quiz.

1) $\frac{15e^{-2}}{-45m^{-8}}$

2) $\frac{-2r^9t^{-2}}{rt^2}$

3) $(4m^{-3}p^2)(m^{-3}p^{-4})$

4) $-3 - (-3mq)^0 + x$

5) $(xy^{-2})^{-3}$

6) $(-4a)^{-2}$

7) $(3x - 1)^2$

8) $(-4m^0f)^3$

9) $-9(kh^{-2})^3$

10) $4q^{-4}$

11) $(4m^6)^{-2}$

12) $54\left(\frac{3w^3}{2}\right)^{-3}$

13) $-3 - (-4mwb)^0$

14) $\frac{-7(m^{-2}p^{-9})}{21m^9p^{-3}}$

15) $\frac{22m^{-4}p}{4m^{-8}p^{-9}}$

16) $-4a^{-7} \cdot 6a^3$

17) $\left(\frac{12w^4}{24}\right)^{-3}$