

Name:

Date: Score:

Solve Using the Quotient Rule of Exponents

1 $\frac{6^2}{6^1}$

2 $\frac{3}{3^3}$

3 $\frac{3r^4}{2r}$

4 $\frac{12q^6}{3q^3}$

5 $\frac{3a}{10a^3}$

6 $\frac{m^{12}}{m^4}$

7 $\frac{u^6}{u^2}$

8 $\frac{k^{12}}{k^4}$

9 $\frac{9x^2}{36x^6}$

10 $\frac{8x^5}{6x^5}$

11 $\frac{14x^5y^{10}}{20xy^{14}}$

12 $\frac{24x^{13}}{6x^8}$

13 $\frac{2a^6}{2a^0}$

14 $\frac{6p^8}{3p}$

15 $\frac{8a^8}{8a}$

Name:

Date: Score:

Solve Using the Quotient Rule of Exponents

Answers

1 $\frac{6^2}{6^1}$

6

2 $\frac{3}{3^3}$

3^{-2}

3 $\frac{3r^4}{2r}$

$\frac{3}{2}r^3$

4 $\frac{12q^6}{3q^3}$

$4q^3$

5 $\frac{3a}{10a^3}$

$\frac{3}{10}a^{-2}$

6 $\frac{m^{12}}{m^4}$

m^8

7 $\frac{u^6}{u^2}$

u^4

8 $\frac{k^{12}}{k^4}$

k^8

9 $\frac{9x^2}{36x^6}$

$\frac{x^{-4}}{4}$

10 $\frac{8x^5}{6x^5}$

$\frac{4}{3}$

11 $\frac{14x^5y^{10}}{20xy^{14}}$

$\frac{7}{10}x^4y^{-4}$

12 $\frac{24x^{13}}{6x^8}$

$4x^5$

13 $\frac{2a^6}{2a^0}$

a^6

14 $\frac{6p^8}{3p}$

$2p^7$

15 $\frac{8a^8}{8a}$

a^7