

Name: _____

Date: _____ Score: _____

Zero and Negative Exponents

Simplify. Your answer should contain only positive exponents.

1 2^0

2 2^{-1}

3 $(-2)^{-1}$

4 $(-5)^{-1}$

5 $(9s)^{-2}$

6 $2u^0v^{-3}$

7 $2p^{-1}q^0$

8 $3a^{-3}b^0$

9 $a^{-4}b^{-4}$

10 $a^{-4}b^2$

11 $2u^{-1}v^{-1}$

12 $2x^{-1}b^0$

Name:

Date: Score:

Zero and Negative Exponents

Answers

1 2^0

1

2 2^{-1}

$\frac{1}{2}$

3 $(-2)^{-1}$

$-\frac{1}{2}$

4 $(-5)^{-1}$

$-\frac{1}{5}$

5 $(9s)^{-2}$

$\frac{1}{(9s)^2}$

6 $2u^0v^{-3}$

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

7 $2p^{-1}q^0$

$\frac{2}{p}$

8 $3a^{-3}b^0$

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

9 $a^{-4}b^{-4}$

$\frac{1}{a^4b^4}$

10 $a^{-4}b^2$

$\frac{b^2}{a^4}$

11 $2u^{-1}v^{-1}$

$\frac{2}{uv}$

12 $2x^{-1}b^0$

$\frac{2}{x}$