Indices

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Exercise 1.2.1 Page 1

$$2^3 =$$

$$2^0 =$$

$$4^{-1} =$$

$$-4^{-1} =$$

$$4^{-3} =$$

$$-2^2 =$$

$$(-2)^2 =$$

Exercise 1.2.1 Page 1

$$2^3 = 2 \times 2 \times 2$$

$$2^0 =$$

$$4^{-1} =$$

$$-4^{-1} =$$

$$4^{-3} =$$

$$-2^2 =$$

$$(-2)^2 =$$

Exercise 1.2.1 Page 1

$$2^3 = 2 \times 2 \times 2 = 8.$$

$$2^0 =$$

$$4^{-1} =$$

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Exercise 1.2.1 Page 1

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Exercise 1.2.1 Page 1

$$2^3 = 2 \times 2 \times 2 = 8.$$

$$2^0 = 1.$$

$$4^{-1} = \frac{1}{4^1}$$

$$-4^{-1} =$$

$$4^{-3} =$$

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$$(-2)^2 =$$

Exercise 1.2.1 Page 1

$$2^3 = 2 \times 2 \times 2 = 8.$$

$$2^0 = 1.$$

$$4^{-1} = \frac{1}{4^1} = \frac{1}{4}.$$

$$-4^{-1} =$$

$$4^{-3} =$$

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Exercise 1.2.1 Page 1

$$2^3 = 2 \times 2 \times 2 = 8.$$

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$$4^{-1} = \frac{1}{4^1} = \frac{1}{4}.$$

$$-4^{-1} = -\left(4\right)^{-1}$$

$$4^{-3} =$$

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$$4^{-3} = \frac{1}{4^3} = \frac{1}{4 \times 4 \times 4}$$

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$$4^{-3} = \frac{1}{4^3} = \frac{1}{4 \times 4 \times 4} = \frac{1}{64}.$$

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$$2^3 = 2 \times 2 \times 2 = 8.$$

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$$-2^2 = -\left(2^2\right) = -(2 \times 2)$$

$$(-2)^2 =$$

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$$-2^2 = -\left(2^2\right) = -(2 \times 2) = -4.$$

$$(-2)^2 = -2 \times -2 = 4.$$

Simplify $\quad x + y^{-1}$

$$x + y^{-1} =$$

Exercise 1.2.1 Page 2

Simplify $\qquad x + y^{-1}$

$$x + y^{-1} = x + \frac{1}{y},$$

Exercise 1.2.1 Page 2

Simplify $\qquad x + y^{-1}$

$$x + y^{-1} = x + \frac{1}{y},$$

$$= \frac{xy + 1}{xy}.$$