

Name: _____

1. Simplify the following terms.

(a) $m \times m \times m \times m$

(b) $4 \times a \times a \times a \times a \times a \times a$

(c) $3 \times x \times x \times 5 \times x \times x \times 2 \times x$

(d) $6 \times d \times d \times d \times e \times e \times d$

(e) $2p \times 3p \times 4p \times 5p$

(f) $2m \times 2n \times 2m \times 2n \times 2n$

2. Simplify the following terms.

(a) $x^3 \times x^5$

(b) $a^7 \times a$

(c) $3x^7 \times 2x^6$

(d) $e^3 \times e^5 \times e^4$

(e) $2p^3 \times 3p \times 4p^6$

(f) $2m \times 2n^2 \times m^3 \times 3n^4 \times 2n^5$

3. Simplify the following terms.

(a) $(x^3)^5$

(b) $(n^2)^6$

(c) $(2x^6)^3$

(d) $(p^6q)^4$

(e) $(a^5b^4)^3$

(f) $(4x^6y^4z^7)^2$

4. Simplify the following terms.

(a) x^0

(b) $(n^2)^0$

(c) $(2x^6)^0$

(d) $3(y^3)^0$

(e) $5m^0 + 3(n^3)^0$

5. Simplify the following terms.

(a) $3(m^0)^2 \times 2m^4$

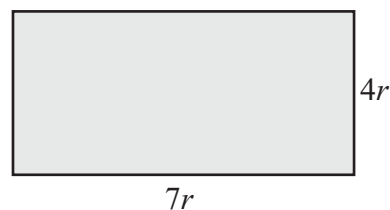
(b) $(3x^0y^3 \times 2y^0x^4)^2$

(c) $(2x^6 \times 2x^4)^2$

(d) $3(y^3 \times 2x^0)^4$

(e) $(3m^4)^0 \times 4(m^0)^3$

6. Write an expression for the area of this rectangle.



7. The product of a number, n , and three times the number is equal to 48.

Write this as an equation and find n .