

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 3-6**

## Section 3.4 Explore Operations on Powers

- 1. and 2.** A population of 10 000 mountain pine beetles doubles each year.

Year	Population	Exponential Form
Start	10 000	$2^0 \times 10\,000$
1	20 000	$2^{\square} \times 10\,000$
2		$2^{\square} \times 10\,000$
3		$2^{\square} \times 10\,000$

- 5.** A population of 10 000 mountain pine beetles tripled in number each year.

Year	Population	Exponential Form
Start	10 000	
1	10 000	$3^0 \times 10\,000$
2		
3		

