# "War" Cards - Sheet A

Evaluate each expression, solve each equation for x, or answer the question. Write your answer on the card. (Any rounding should be to the nearest tenth.) After you finish, cut out your cards.

| | |
|---|---|
| **A - 1**<br>$x = 2(4.3)^5$ | **A - 2**<br>$59 = 3.3^x$ |
| **A - 3**<br>The population of a city is modeled by $P(t) = 375(1.012)^{T-1950}$.<br>What is the population growth rate as a percentage? | **A - 4**<br>$75 = 4(5.3)^x$ |
| **A - 5**<br>$\log_5(50)$ | **A - 6**<br>$4^{3.1}$ |
| **A - 7**<br>$6^x = 15$ | **A - 8**<br>$2^5$ |

# "War" Cards - Sheet B

Evaluate each expression, solve each equation for x, or answer the question. Write your answer on the card. (Any rounding should be to the nearest tenth.) After you finish, cut out your cards.

| | |
|---|---|
| **B - 1**<br>$x=3(3.5)^4$ | **B - 2**<br>$61=4.5^x$ |
| **B - 3**<br>The population of a city is modeled by $P(t)=357(1.012)^{T-1950}$.<br>What is the population growth rate as a percentage? | **B - 4**<br>$75=5(4.4)^x$ |
| **B - 5**<br>$\log_5(65)$ | **B - 6**<br>$4^{2.9}$ |
| **B - 7**<br>$6^x=30$ | **B - 8**<br>$2^4$ |