Warm-Up 1-17

- 1. Martiana makes a weekly allowance of \$25. She also makes \$8.50 an hour at her job. Write a function for the amount of money she makes each week based on the amount of hours, h, she works.
 - a. Write an equation for the total amount of money Martiana makes.
 - b. How much will she make if she works 20 hours?
- 2. Thomas bought a new car for \$21,000. The value of the car decreases by 10% each year.
 - a. Write an equation models the value of the car each year.
 - b. After what year will the value drop below \$8000?

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b. How much will she make if she works 20 hours?

- 2. Thomas bought a new car for \$21,000. The value of the car decreases by 10% each year. $\sqrt{6} = 0$
 - a. Write an equation models the value of the car each year.

$$y = 21,000(1-0.1)^{\times}$$
 $(y = 21,000(0.9)^{\times})$

b. After what year will the value drop below \$8000?

$$21,000(0.9)^3 = 15309$$
 $21,000(0.9)^0 = (73.22.25)$
 $21,000(0.9)^0 = 8,135.83$
 10 years or more after 9 years

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Project Time!

Homework

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