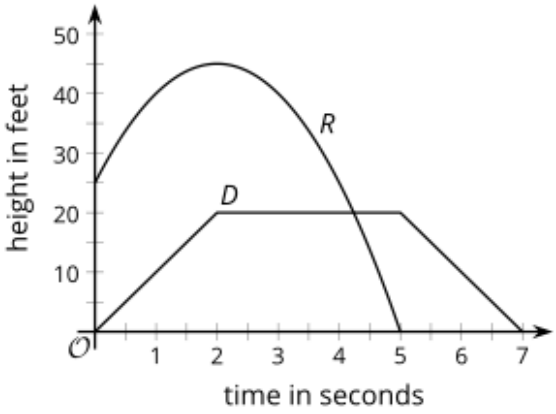
NAME DATE PERIOD

Cool Down

Lesson 9: Comparing Graphs

Cool Down: A Toy Rocket and a Drone Again

Functions R and D give the height, in feet, of a toy rocket and a drone, t seconds after they are released. Here are the graphs of R (for the rocket) and D (for the drone).



1. Which of the inequalities is true: $R(2) > D(2)$ or $R(2) < D(2)$?

2. What was the height of the drone when the toy rocket hit the ground?

3. For what value of t is $R(t) = D(t)$ true? What does this tell you about the drone and the toy rocket?