Practice with the new-expression David Gries and Scott Wehrwein

Consider class Time given below.

1. Evaluate this new-expression —the answer is given on the next page:

```
new Time(3, 20)
```

2. Draw a variable t, as shown to the right. Then, execute this assignment statement—the answer is given on the next page:

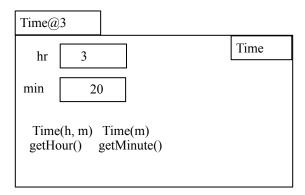
t Time

t= **new** Time(67);

```
/** An instance maintains the time of day.*/
public class Time {
  private int hr; // hour of the day, in 0..23
  private int min; // minute of the hours, in 0..59
  /** Constructor: instance with hour h, minute m.
   * Precondition: h in 0..23, m in 0..59*/
  public Time(int h, int m) {
     hr = h;
     min= m;
  /** Constructor: instance with minute m.
   * Precondition: 0 <= m < 24 * 60 */
  public Time(int m) {
     hr = m / 60;
     min= m % 60;
   /** Return the hour of the day */
  public int getHour() {
     return hr;
  /** Return the minute of the hour */
  public int getMinute() {
     return min;
```

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Answer to exercise 1. Suppose evaluation of Time(3, 20) creates the object shown below. The result of evaluating the expression is the name-of or pointer-to the object: Time@3.



Answer to exercise 2.

