$\qquad$

### 9.2 Practice A

In Exercises 1-3, find the value of $x$. Write your answer in simplest form.
1.

2.

3.


In Exercises 4-6, find the values of $x$ and $y$. Write your answers in simplest form.
4.

5.

6.


In Exercises 7 and 8, find the area of the figure. Round decimal answers to the nearest tenth.
7.

8.

9. A 12 -foot ladder is leaning up against a wall, as shown. How high does the ladder reach up the wall when $x$ is $30^{\circ}$ ? $45^{\circ}$ ? $60^{\circ}$ ? Round decimal answers to the nearest tenth, if necessary.


