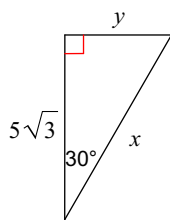


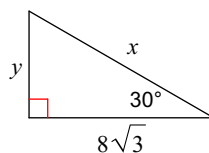
### PRACTICE Quiz 7.4 - 7.5 Polygons

**Find the missing side lengths. Leave your answers as radicals in simplest form.**

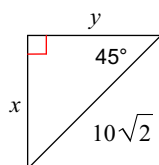
1)



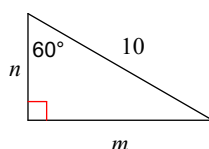
2)



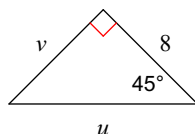
3)



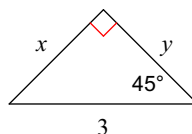
4)



5)



6)



**Find the measure of one interior angle in each regular polygon. Round your answer to the nearest tenth if necessary.**

7) regular 17-gon

8) regular 18-gon

**Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.**

9) regular 14-gon

10) regular 17-gon

**Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary.**

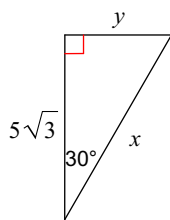
11) regular 25-gon

12) regular nonagon

## PRACTICE Quiz 7.4 - 7.5 Polygons

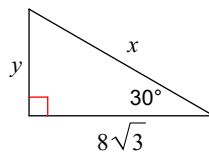
Find the missing side lengths. Leave your answers as radicals in simplest form.

1)



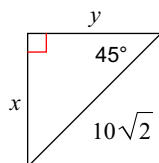
$$x = 10, y = 5$$

2)



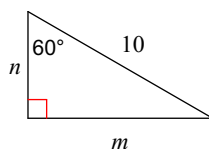
$$x = 16, y = 8$$

3)



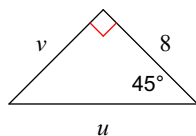
$$x = 10, y = 10$$

4)



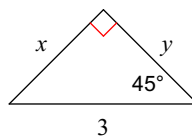
$$m = 5\sqrt{3}, n = 5$$

5)



$$u = 8\sqrt{2}, v = 8$$

6)



$$x = \frac{3\sqrt{2}}{2}, y = \frac{3\sqrt{2}}{2}$$

Find the measure of one interior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

7) regular 17-gon

$$158.8^\circ$$

8) regular 18-gon

$$160^\circ$$

Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.

9) regular 14-gon

$$2160^\circ$$

10) regular 17-gon

$$2700^\circ$$

Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

11) regular 25-gon

$$14.4^\circ$$

12) regular nonagon

$$40^\circ$$