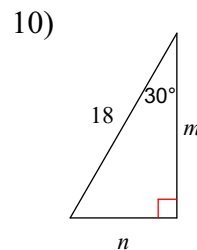
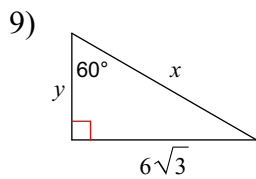
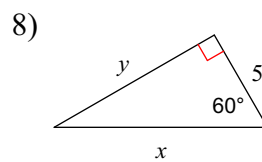
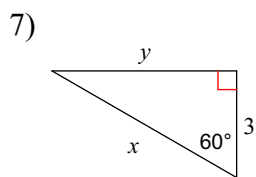
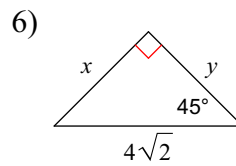
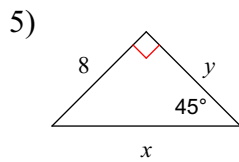
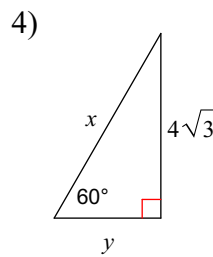
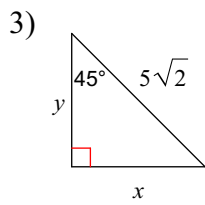
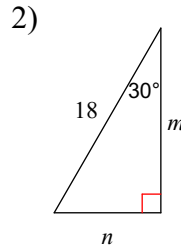
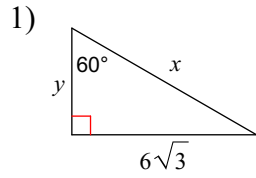


Assignment

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



**Solve each equation by factoring.**

11)  $(n - 5)(n + 4) = 0$

12)  $x(x + 5) = 0$

13)  $(x - 1)(x - 4) = 0$

14)  $(n - 2)^2 = 0$

15)  $7x^2 + 63x = -56$

16)  $k^2 - 7k = -12$

17)  $x^2 + 14 = 9x$

18)  $7p^2 + 63 = 42p$

19)  $4n^2 = 24n$

20)  $7m^2 - 28 = -21m$

**Simplify.**

21)  $\sqrt{72}$

22)  $\sqrt{294}$

23)  $\sqrt{147}$

24)  $\sqrt{98}$

25)  $8\sqrt{200}$

26)  $-\sqrt{400}$

27)  $-2\sqrt{324}$

28)  $3\sqrt{320}$

29)  $-5\sqrt{200}$

30)  $10\sqrt{12}$