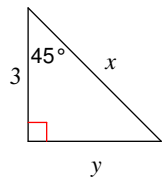


13.2 Special Triangles 45-45-90

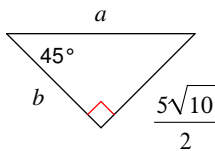
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Find the missing side lengths. Leave your answers as radicals in simplest form.

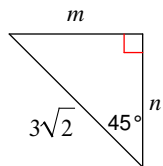
1)



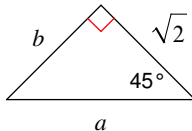
2)



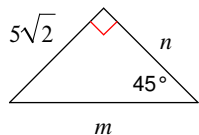
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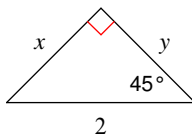
4)



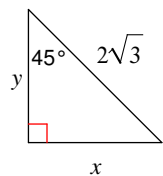
5)



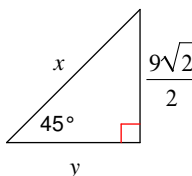
6)



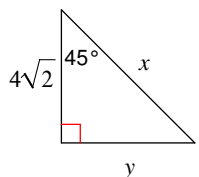
7)



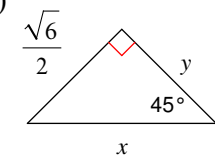
8)



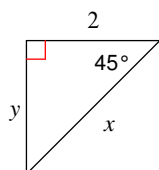
9)



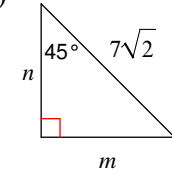
10)



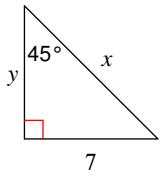
11)



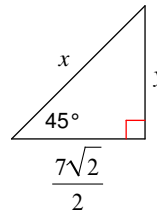
12)



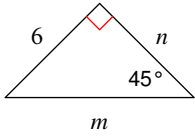
13)



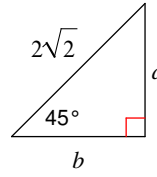
14)



15)



16)

**Simplify.**

17) $\sqrt{196}$

18) $\sqrt{300}$

19) $\sqrt{144}$

20) $\sqrt{27}$

21) $3\sqrt{50}$

22) $2\sqrt{162}$

23) $9\sqrt{8}$

24) $\sqrt{5} \cdot -2\sqrt{15}$

25) $\sqrt{5} \cdot \sqrt{15}$

26) $\sqrt{12} \cdot -\sqrt{6}$

27) $\sqrt{10} \cdot 4\sqrt{8}$

28) $\frac{\sqrt{4}}{\sqrt{3}}$

29) $\frac{\sqrt{4}}{\sqrt{5}}$

30) $\frac{\sqrt{3}}{\sqrt{2}}$

31) $\frac{\sqrt{5}}{3\sqrt{10}}$

32) $\frac{\sqrt{12}}{\sqrt{20}}$