10.7 Practice - Trigonometric Functions

Find the value of each. Round your answers to the nearest ten-thousandth.

1) cos 71°

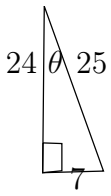
2) cos 23°

3) sin 75°

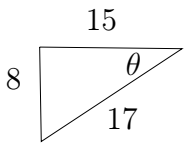
4) sin 50°

Find the value of the trig function indicated.

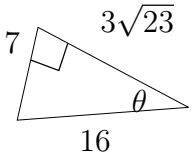
5) sin θ



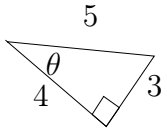
6) tan θ



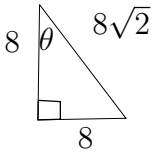
7) sin θ



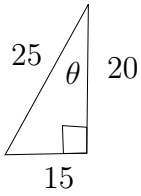
8) sin θ



9) sin θ

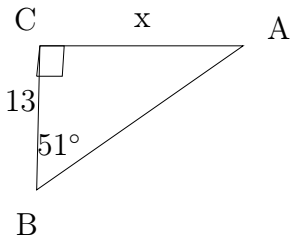


10) cos θ



Find the measure of each side indicated. Round to the nearest tenth.

11)



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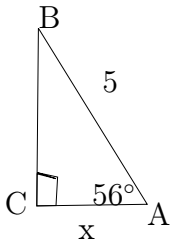

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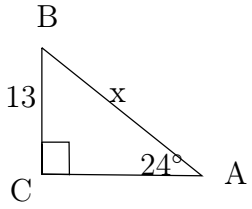

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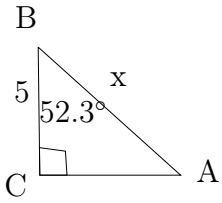

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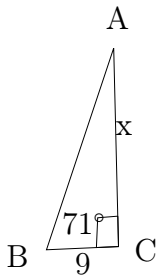

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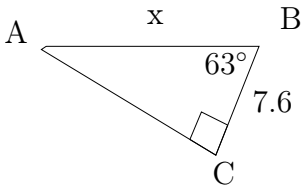

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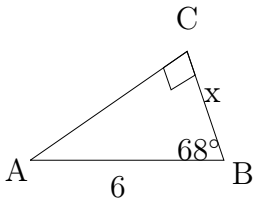

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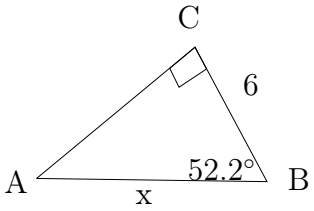

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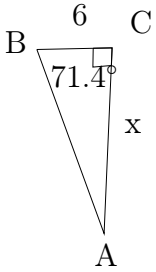

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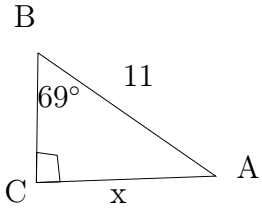

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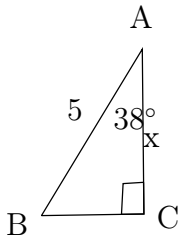

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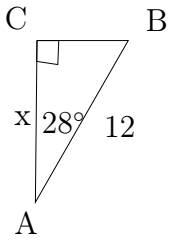

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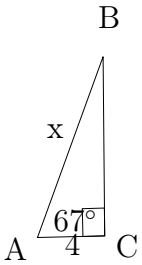

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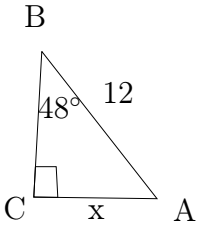

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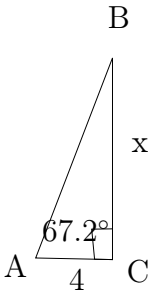

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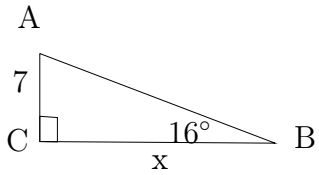

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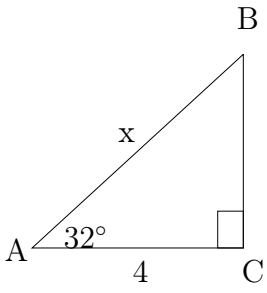

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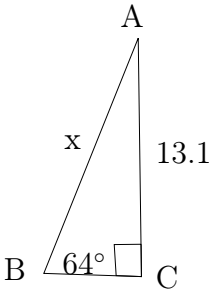

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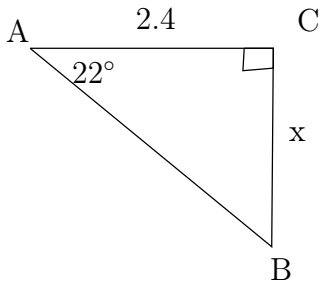

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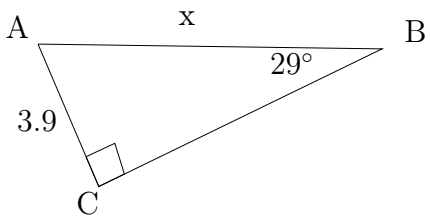

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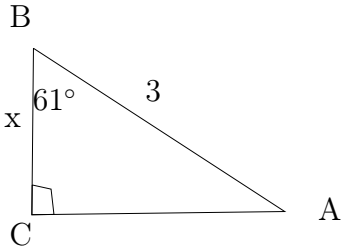

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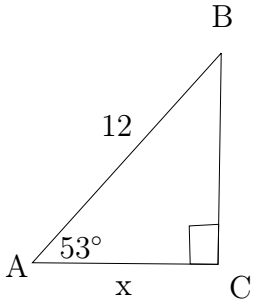

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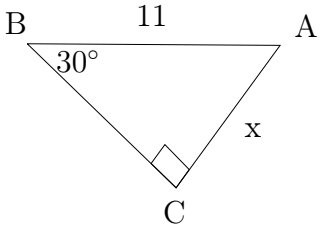

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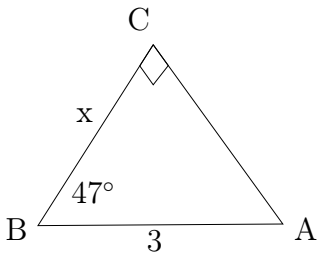

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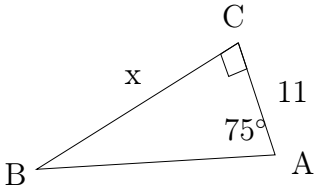

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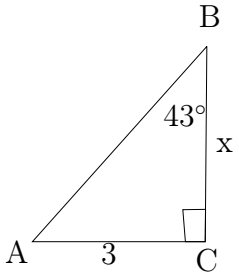

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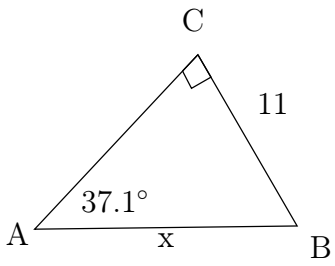

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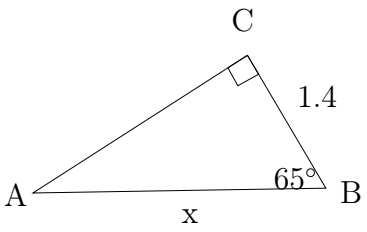

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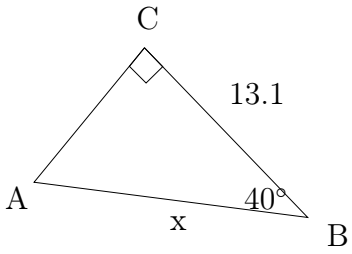

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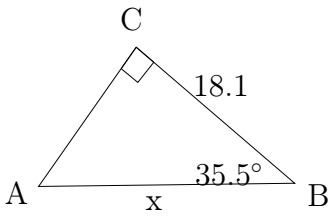

Answers - Trigonometric Functions

1) 0.3256
2) 0.9205
3) 0.9659
4) 0.7660
5) $\frac{7}{25}$
6) $\frac{8}{15}$
7) $\frac{7}{16}$
8) $\frac{3}{5}$
9) $\frac{\sqrt{2}}{2}$
10) $\frac{4}{5}$
11) 16.1
12) 2.8
13) 32
14) 8.2
15) 26.1
16) 16.8
17) 2.2
18) 9.8
19) 17.8
20) 10.3
21) 3.9
22) 10.6
23) 10.2
24) 8.9
25) 9.5
26) 24.4
27) 4.7
28) 14.6
29) 1
30) 8
31) 1.5
32) 7.2
33) 5.5
34)2
35) 41.1
36) 3.2
37) 18.2
38) 3.3
39) 17.1
40) 22.2