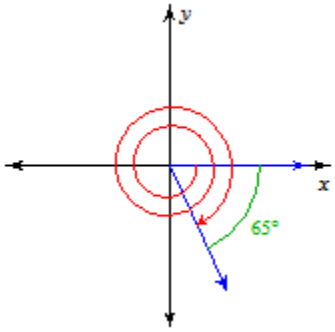
Honors Math II
Unit 9 day 2 ws

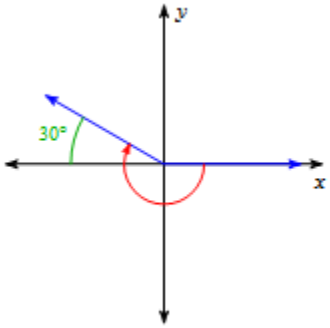
Name_____
Period_____Date_____

Find the measure of each angle.

1)



2)



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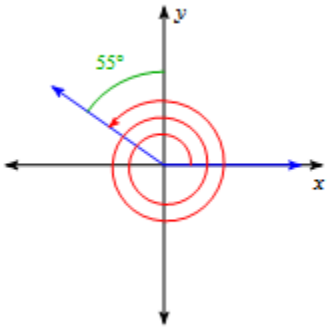

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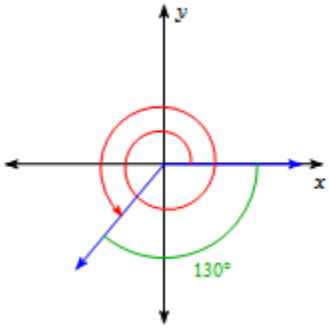

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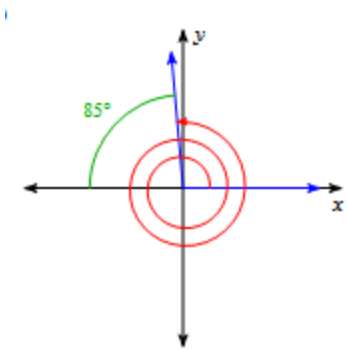

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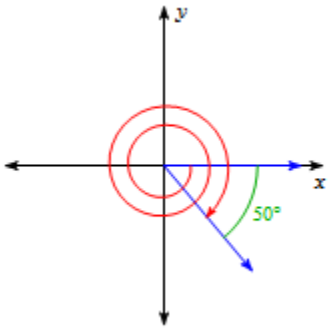
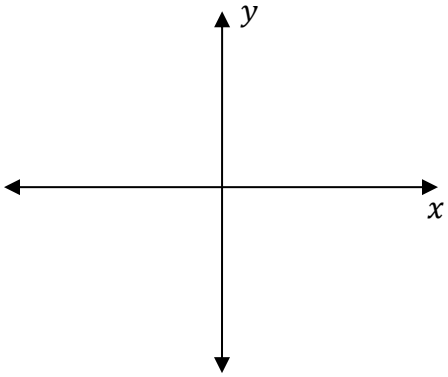
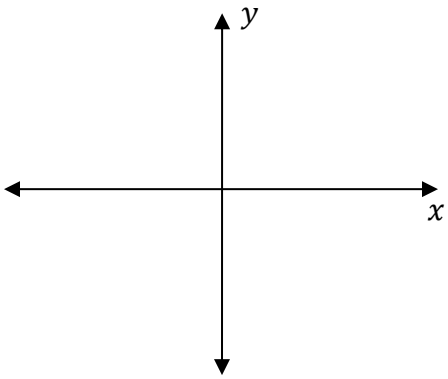


Draw an angle with the given measure in standard position.

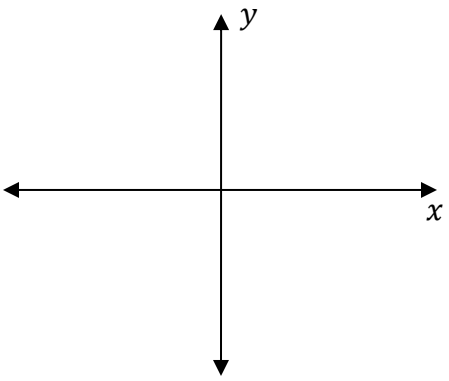
7) 270°



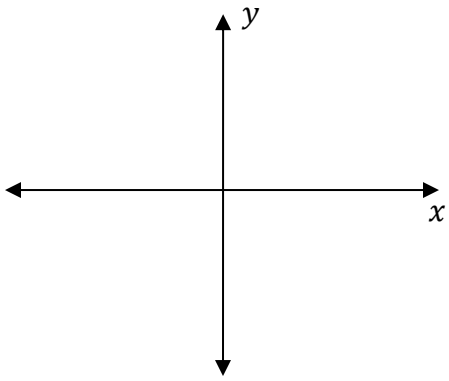
8 700°



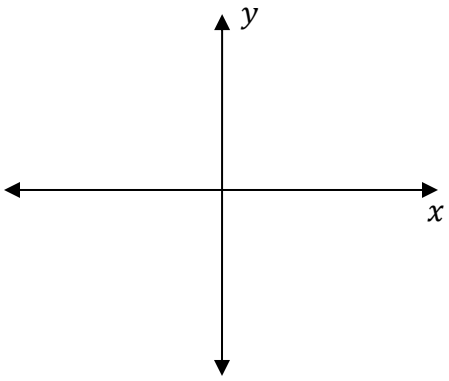
9) $150°$



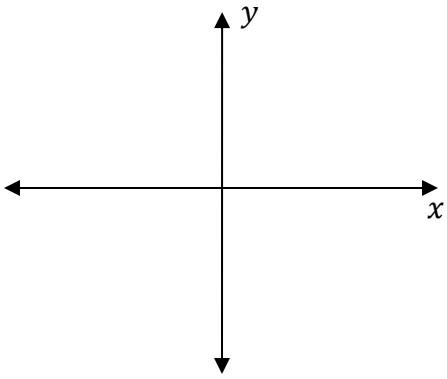
10) $-455°$



11) $95°$



12) $-340°$



State the quadrant in which the terminal side of each angle lies.

13) $-315°$

14) $465°$

15) $-715°$

16) $-60°$

Convert each radian measure into degrees.

17) $-\frac{7\pi}{6}$

18) $\frac{5\pi}{4}$

19) $\frac{19\pi}{6}$

20) $\frac{4\pi}{3}$

21) $-\frac{3\pi}{2}$

22) $\frac{11\pi}{6}$

Convert each degree into radians.

23) $105°$

24) $50°$

25) $-680°$

26) $205°$

27) $-210°$

28) $130°$

Find a positive and a negative coterminal angle for each given angle.

29) $645°$

30) $120°$

31) $60°$

32) $345°$

33) $\frac{17\pi}{9}$

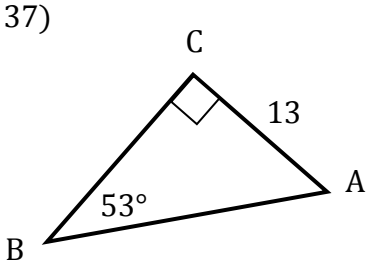
34) $\frac{56\pi}{45}$

35) $-\frac{\pi}{9}$

36) $\frac{2\pi}{45}$

Solve each triangle. Round answers to the nearest tenth.

37)



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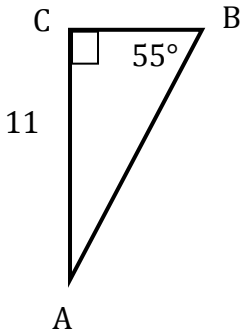

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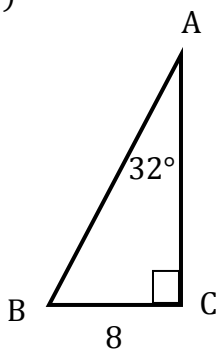

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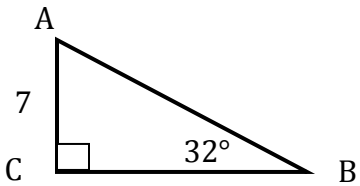

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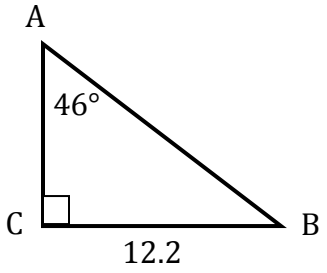

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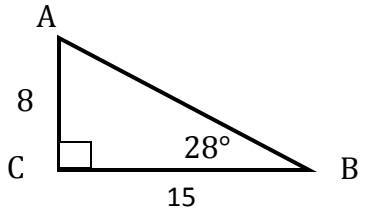

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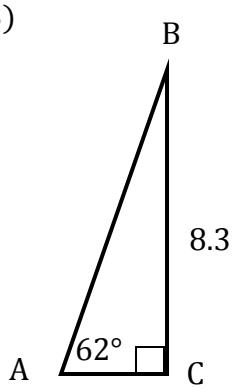

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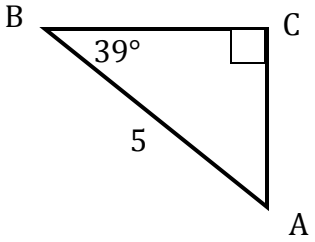
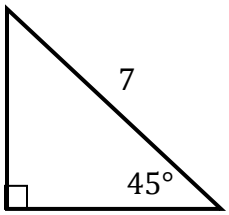


Find the lengths of the missing sides of the special right triangles.

45)



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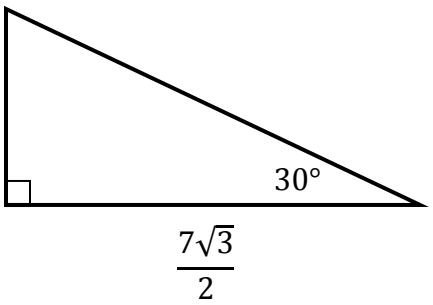

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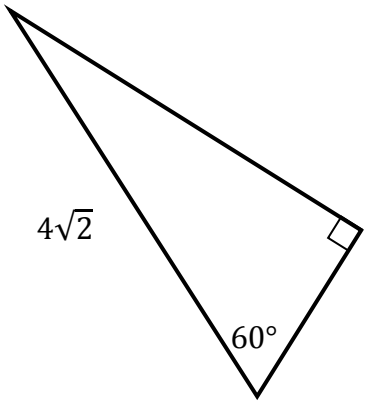

48)