

Name:

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/31

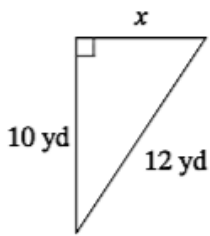
HOMWORK 9.2

Secondary Math II

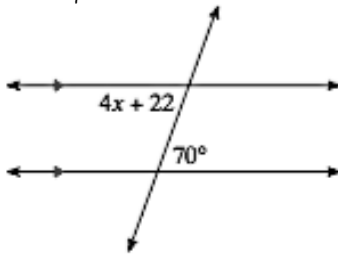
<p style="font-size: 24pt; font-weight: bold; margin: 0;">Turned in On Time</p> <p style="font-size: 18pt; margin: 0;">(4 pts.)</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>	0A. (2 pt.) Factor. $5x^2 - 26x + 5$
	0B. (2 pt.) Factor. $2x^2 - x - 6$

Review

1. (1 pt.) Find the missing side of the right triangle.



2. (1 pt.) Find the value of x .



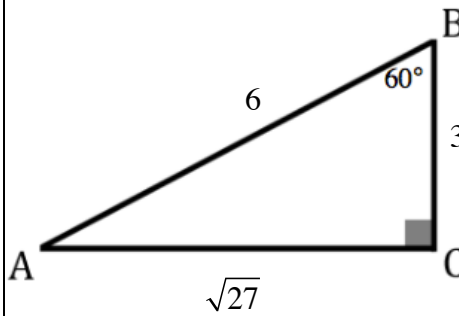
3. (1 pt.) Solve for the value of x .

$$2x^2 - 7x + 1 = 0$$

Classroom Exercise #4

(3 pts.)

Use the triangle below to answer the questions on the right.

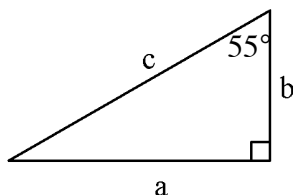


4A. (1 pt.) Using 60° as your reference angle, determine the adjacent side of the triangle.

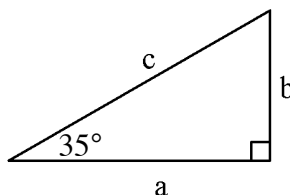
4B. (1 pt.) Using 60° as your reference angle, determine the opposite side of the triangle.

4C. (1 pt.) Using 60° as your reference angle, determine the hypotenuse side of the triangle.

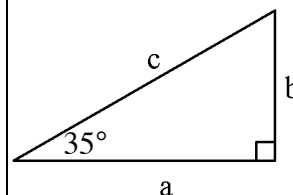
5. (1 pt.) Using 55° as your reference angle, determine the adjacent side of the triangle.



6. (1 pt.) Using 35° as your reference angle, determine the opposite side of the triangle.



7. (1 pt.) Using 35° as your reference angle, determine the adjacent side of the triangle.

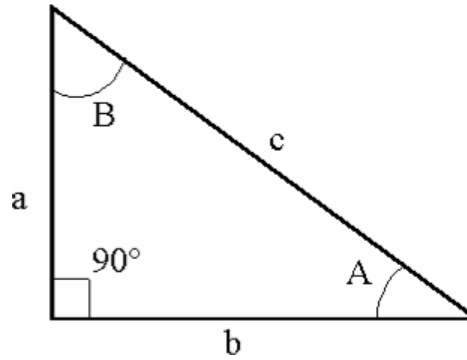


Classroom Exercise #8

(3 pts.)



Use the triangle below to find the indicated trig ratios on the right.

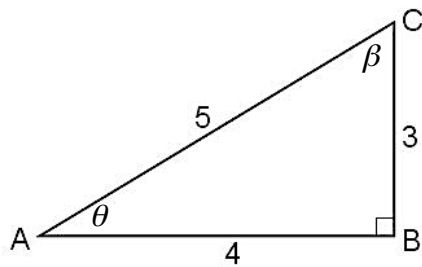


8A. (1pt.) $\sin A =$

8B. (1pt.) $\sin B =$

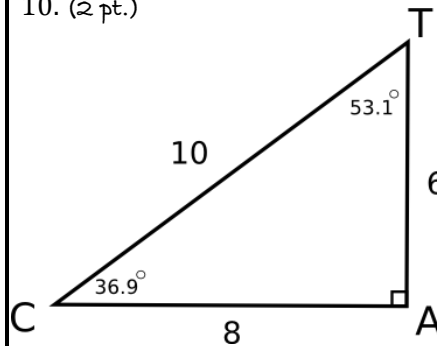
8C. (1pt.) $\tan A =$

9. (2 pt.)



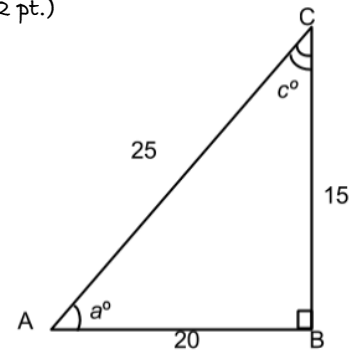
$$\begin{aligned} \sin \theta &= & \sin \beta &= \\ \cos \theta &= & \cos \beta &= \\ \tan \theta &= & \tan \beta &= \end{aligned}$$

10. (2 pt.)



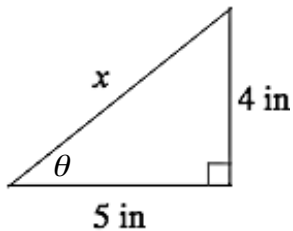
$$\begin{aligned} \sin 36.9^\circ &= & \sin 53.1^\circ &= \\ \cos 36.9^\circ &= & \cos 53.1^\circ &= \\ \tan 36.9^\circ &= & \tan 53.1^\circ &= \end{aligned}$$

11. (2 pt.)



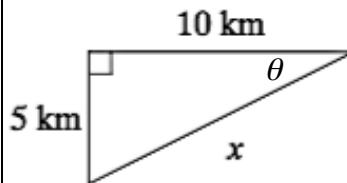
$$\begin{aligned} \sin a^\circ &= & \sin c^\circ &= \\ \cos a^\circ &= & \cos c^\circ &= \\ \tan a^\circ &= & \tan c^\circ &= \end{aligned}$$

12. (3 pt.) Find the missing side of the triangle and then find the indicated trig ratios.



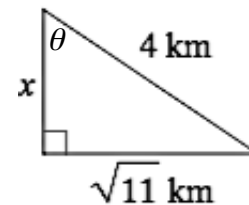
$$\begin{aligned} \sin \theta &= \\ \cos \theta &= \\ \tan \theta &= \end{aligned}$$

13. (3 pt.) Find the missing side of the triangle and then find the indicated trig ratios.



$$\begin{aligned} \sin \theta &= \\ \cos \theta &= \\ \tan \theta &= \end{aligned}$$

14. (3 pt.) Find the missing side of the triangle and then find the indicated trig ratios.



$$\begin{aligned} \sin \theta &= \\ \cos \theta &= \\ \tan \theta &= \end{aligned}$$

