WORKSHEET

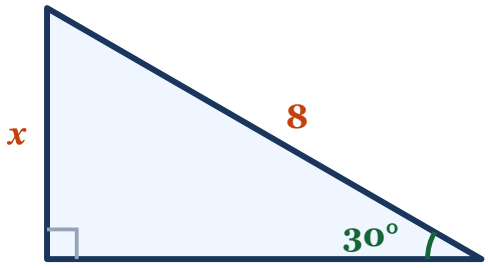
Name: ..... Class: .....

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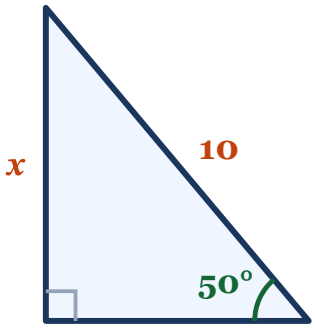
MARK ____ / 21

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

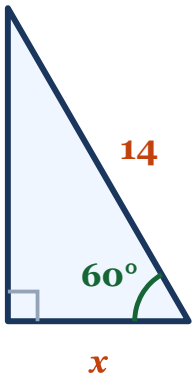
1 Find x opposite a $30°$ angle, hypotenuse 8. *(sine)* (2)



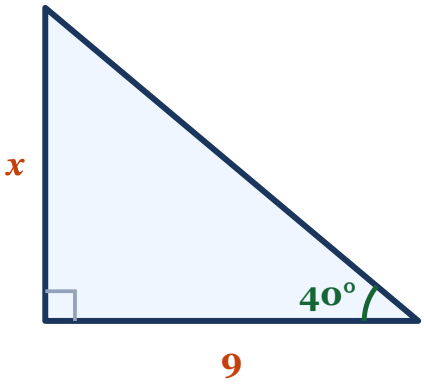
2 Find x opposite a $50°$ angle, hypotenuse 10. *(sine)* (2)



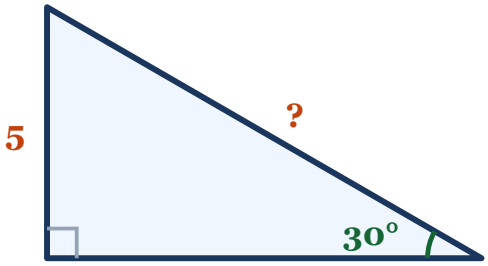
3 Find x adjacent to a $60°$ angle, hypotenuse 14. *(cosine)* (2)



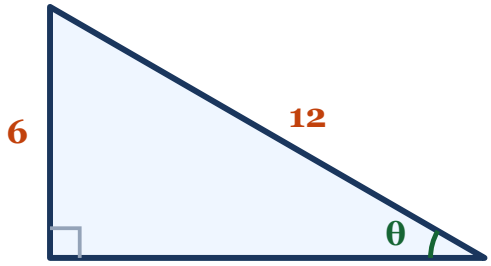
4 Find x opposite a $40°$ angle, adjacent 9. *(tangent)* (2)



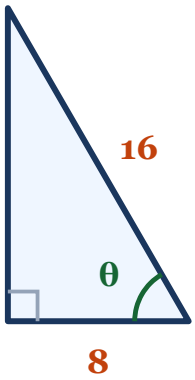
5 The side opposite a $30°$ angle is 5. Find the hypotenuse. *(hypotenuse)* (2)



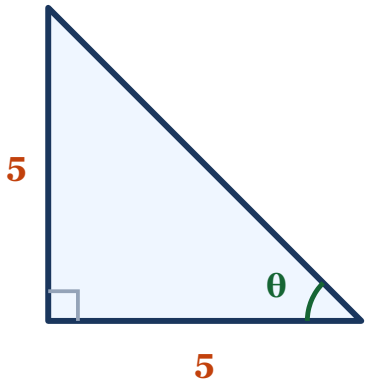
6 opposite = 6, hypotenuse = 12. Find θ. *(angle)* (2)



7 adjacent = 8, hypotenuse = 16. Find θ. *(angle)* (2)



8 opposite = 5, adjacent = 5. Find θ. *(angle)* **(2)**



9 Give the exact value of sin 30° and tan 45°. *(special)* **(2)**

10 A rope to the top of a 6 m pole makes 40° with the ground. Rope length? *(application)* **(3)**

TOTAL: 21 marks

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