



math Module Challenges

#	Question
1.	<p>Assume you have the angle = 60, write a Python program to find:</p> <ol style="list-style-type: none"> <code>sin(angle)</code> <code>cos(angle)</code> <code>tan(angle)</code> <code>degrees(angle)</code> <code>radians(angle)</code> <p>Expected output:</p> <ol style="list-style-type: none"> -0.30 -0.95 0.32 3437.7 1.04

#	Question
2.	<p>Assume you have the calculation result $y = 98.34521$, write a Python program to round this result:</p> <ul style="list-style-type: none"> a. upwards to the nearest integer b. downwards to the nearest integer <p>Expected output:</p> <ul style="list-style-type: none"> a. 99 b. 98
3.	<p>Assume you have $x = 7$, write a Python program to find:</p> <ul style="list-style-type: none"> a. $\log(x)$ b. e^x. c. x^3 d. The absolute value of x e. The square root of x <p>Expected output:</p> <ul style="list-style-type: none"> a. 1.94 b. 1096.6 c. 343.0 d. 7.0 e. 2.6

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