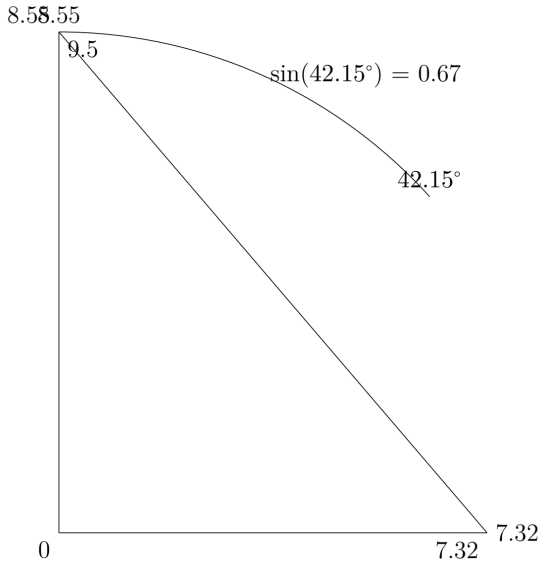
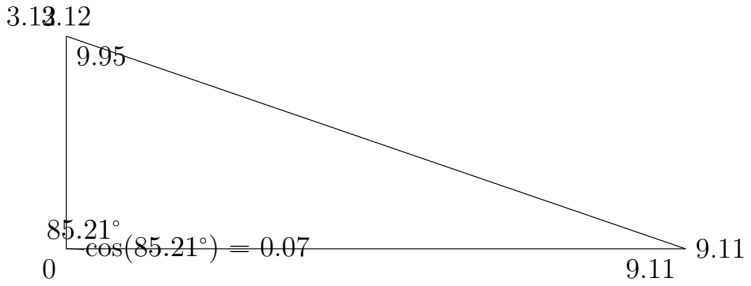
Pattern 0: Right Triangle Trigonometry

Question 1: If angle 42.15° has a length of 7.32 units, and the hypotenuse is 8.55 units, what is the value of sin(42.15°)?



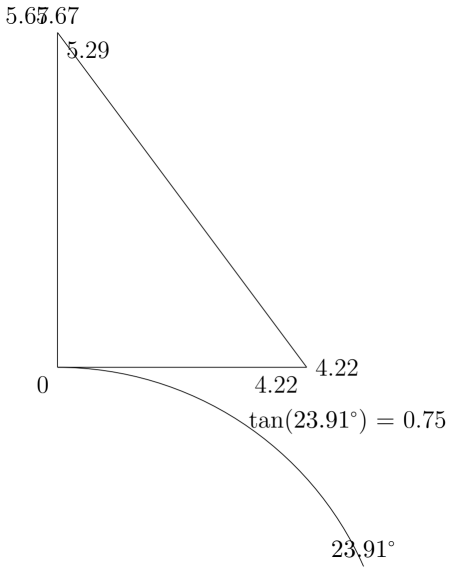
Answer: *0.67*

Question 2: If the angle 85.21° has a length of 9.11 units, and the hypotenuse is 3.12 units, what is the value of cos(85.21°)?



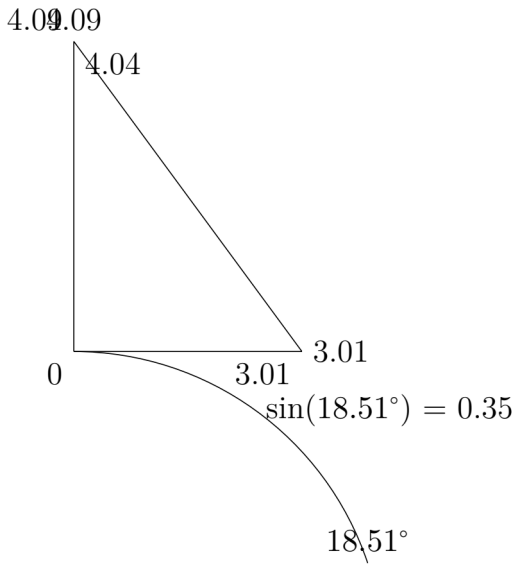
Answer: *0.07*

Question 3: If the angle 23.91° has a length of 4.22 units, and the hypotenuse is 5.67 units, what is the value of tan(23.91°)?



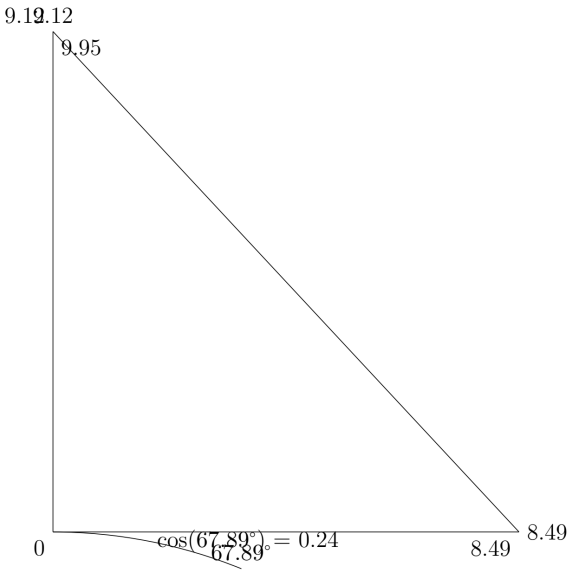
Answer: *0.75*

Question 4: If the angle 18.51° has a length of 3.01 units, and the hypotenuse is 4.09 units, what is the value of sin(18.51°)?



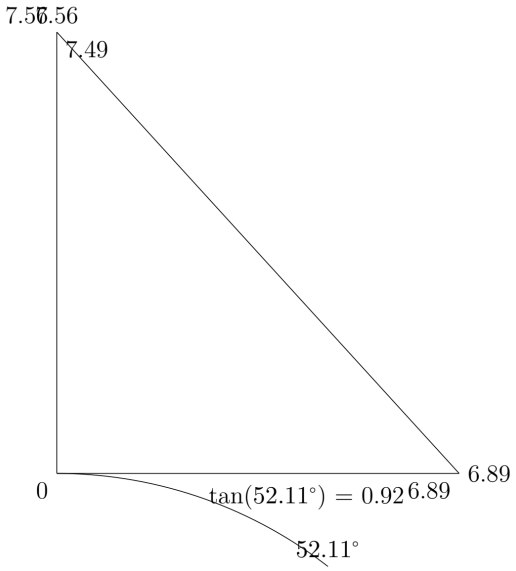
Answer: *0.35*

Question 5: If the angle 67.89° has a length of 8.49 units, and the hypotenuse is 9.12 units, what is the value of cos(67.89°)?



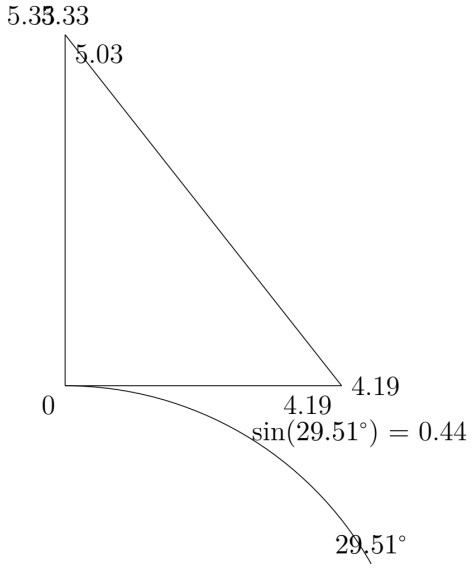
Answer: *0.24*

Question 6: If the angle 52.11° has a length of 6.89 units, and the hypotenuse is 7.56 units, what is the value of tan(52.11°)?



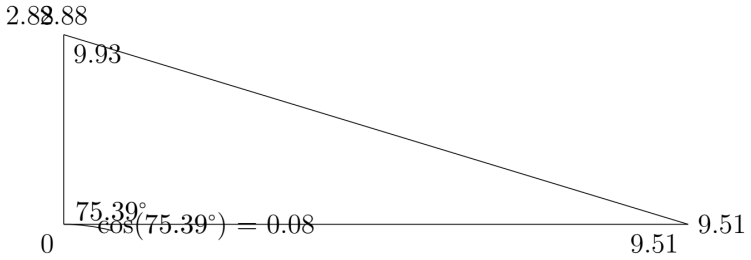
Answer: *0.92*

Question 7: If the angle 29.51° has a length of 4.19 units, and the hypotenuse is 5.33 units, what is the value of sin(29.51°)?



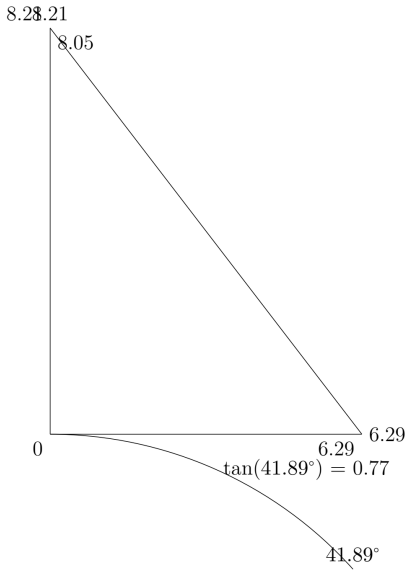
Answer: *0.44*

Question 8: If the angle 75.39° has a length of 9.51 units, and the hypotenuse is 2.88 units, what is the value of cos(75.39°)?



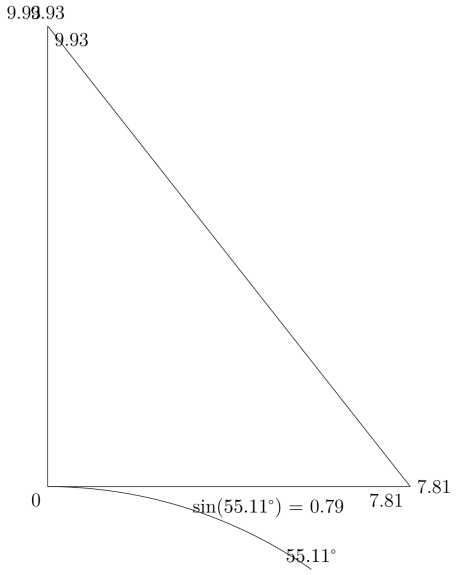
Answer: *0.08*

Question 9: If the angle 41.89° has a length of 6.29 units, and the hypotenuse is 8.21 units, what is the value of tan(41.89°)?



Answer: *0.77*

Question 10: If the angle 55.11° has a length of 7.81 units, and the hypotenuse is 9.93 units, what is the value of sin(55.11°)?



Answer: *0.79*