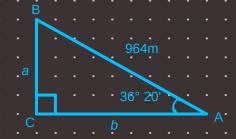
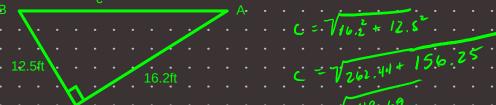
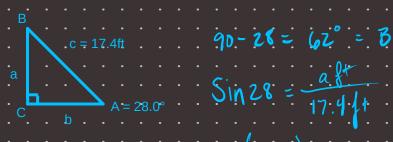
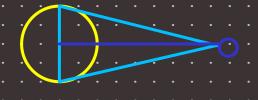
Solve each right triangle. When two sides

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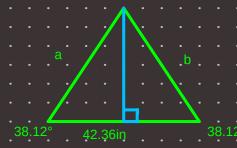




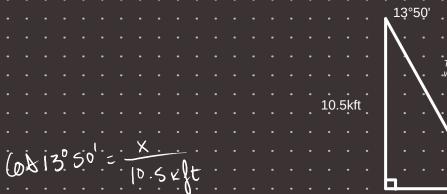


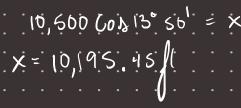
49:

The length of the side of the base of an isosceles triangle is 42.36in. Each base angle is 38.12°. Find the length of each of the two equal sides of the triangle. (Hint: Divide the triangle into two right triangles)



42:36 6x38.12 = b = a





The Pyramid of the Sun is in the ancient Mexican city of Teotihuacan. The base is a square with sides about 700ft long. The height of the pyramid is about 200ft long. Find the angle of elevation θ of the edge indicated in the figure to two significant digits. (Hint: The base of the triangle in the figure is half the diagonal of the square base of the pyramid).

