

Math Review

1. If $y = x^3 + 3x^2 + x - 4$ and $x = 2$, solve for y .

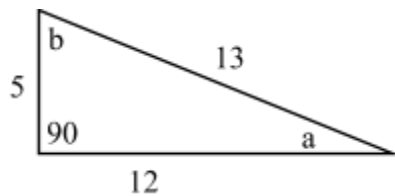
2. If $v^2 = v_0^2 + .5at^2$, solve for a .

3. Solve the system of equations for x and y .

$$-2x + 3y = 29$$

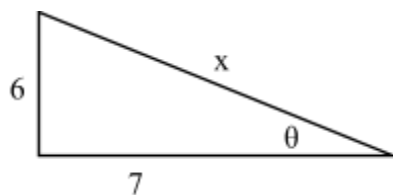
$$4x - 4y = -32$$

4. Given the following triangle, write out, using variables, the sine, cosine, and tangent of angle a .



5. Given the above triangle, find angles a and b .

6. Given the triangle below, find x and θ .



7. Given a hypotenuse of a triangle is 14 units long at an angle of 60° from one of the sides, find the other two sides of the triangle.