

$\triangle ABC : C = 90^\circ : \cos B = \frac{2}{8}, a = 18, \text{ the other sides length?}$

Degrees	0°	30°	45°	60°	90°	120°	135°	150°	180°	1.000°	
Radians											1.000
sin						—	—	—	—	—	—
cos						—	—	—	—	—	—
tan						—	—	—	—	—	—

*find derivatives :*  $f(x) = \sqrt{x}, \quad g(x) = \frac{1}{x}, \quad h(x) = x^a, a \in N^+$

画图，化为函数，指出梯度，倾斜角，截距，法向量，原点到直线距离，点(9,4)到直线距离

$$-2x + 6y = 6$$

*find partial derivatives, gradient :*  $f(x) = 3x^2 + 4xy + \frac{2}{7}y^2 + 3x - 1$

*find derivatives :*  $g(x) = \sqrt{4x^3} \quad h(x) = \frac{4x^1}{2x^7}$

*simplify :*  $\lg 3 - \lg 3 = \quad 4 \ln 5 = \quad \frac{4^2}{4^5} =$

$(3^3)^7 = \quad \log_{\frac{1}{9}} 3 = \quad \left(\frac{1}{27}\right)^{\frac{1}{3}} =$

*compute*  $14^2 = \quad 17^2 = \quad 25^2 = \quad 38 \times 32 = \quad \frac{1}{7} =$

$\frac{2}{3} = \quad \frac{3}{4} = \quad \frac{5}{6} = \quad \frac{3}{8} = \quad \frac{5}{8} = \quad \frac{7}{8} =$

*binary :*  $1 = \quad 5 = \quad 6 = \quad \text{hex : } 12 = \quad 13 = \quad 76 =$