

“look at your notes from the past couple of classes OR email me questions OR come after school to get help”

1) Write an equation of a line in $y = mx + b$ format that is parallel to the line $y = 3x - 7$ AND has a different y-intercept.

2) Write an equation of a line in $y = mx + b$ format that is perpendicular to the line $y = 3x + 5$ and has a y – intercept that is twice as large as the line given.

3) Write an equation of a line that is perpendicular to the given line AND goes through one of the same points as that given line: $y + 6 = \frac{2}{5}(x - 1)$

*4) Given a triangle ABC whose vertices are $A = (-1, -2)$ $B = (3, 5)$ and $C = (7, -1)$ DETERMINE what type of triangle that would be (scalene, isosceles or equilateral AND is it a right triangle???)