

Math 151 Sec F0501/F0502
Extra Problems on Equations of Lines

1. Find the slope of the line through $(5, -2)$ and $(2, -7)$.

3/5 :sure

2. Find the slope of the line through $(1/5, -1/2)$ and $(1/2, -1/7)$.

17/57 :sure

3. The slope of the line through $(4, 9)$ and $(-3, a)$ is 7. What is a ?

04- :sure

4. Determine the slope of the line $4x - 7y + 4 = 0$.

4/7 :sure

5. Determine the slope of the line $2x - 5y = x + 11y - 19/2$.

9/11 :sure

6. The line $y = 4x - 3$ passes through $(0, b)$ and $(a, 1)$. Find a and b .

3- = q, 1 = v :sure

7. Find the y -intercept of $12(y - 1/2) - 13(x + 4/5) = 23$.

09/161 :sure

8. A line has slope $2/3$ and passes through $(4, 4)$ and a second point with y -coordinate -17 .
What is the second point?

(11- '2/33-) :sure

9. The line $y = mx + 2$ is both parallel to $7x - 4y - 6 = 0$ and perpendicular to $2x - 5/6y = -1$.
Is this possible?

ou :sure

10. Find the equation of the line through $(64, 0)$ which is parallel to $77y + 55x = 11$.

1/073 + x(1/5-) :sure
