MAT1033 Class Worksheet 3

Find an equation of the line that satisfies the conditions. Write the equation in standard form.

1) Through (2, 5); $m = -\frac{2}{5}$

S(y-5)= $\begin{pmatrix} 2x+4 \\ 5y-25 \\ -2x+29 \end{pmatrix}$ The through the two points. Write the equation in standard form

Find an equation of the line passing through the two points. Write the equation in standard form.

Write the slope-intercept form of the equation for the line passing through the given pair of points.

Find an equation of the line satisfying the conditions. Write the equation in slope-intercept form.

4) Through (-3, 8); perpendicular to
$$-3x + 4y = -23$$
Solve the problem.

5) Using a phone card to make a long distance call costs a flat fee of 0.54 plus 0.14 per minute starting with the first minute. What is an equation of the form y = mx + b for this situation?



