**2.6 – Write the equation of a line or exponential curve given two points**

1. Write the equation of the line that passes through (5, 7) and has a slope of 4 in point-slope form (check your answer using technology)
2. Simplify your answer from #1 to be in slope-intercept form. (check your answer using technology)
3. Write the equation of the line that passes through the point (-2, 8) and has a slope of 3/2.
4. Simplify your answer from #3 to be in slope-intercept form.
5. What is the slope of the line that passes through (3, 9) and (8, 12)?
6. What the equation of the line that passes through the points (3, 9) and

(8, 12)? (check your answer with technology)

1. Simplify your answer from #6 to be in slope-intercept form (check your answer using technology)
2. What is the equation of the line that passes through (1,3) and (5, 48)? (check your answer using technology)
3. What is the constant ratio of the exponential curve that passes through (1,3) and (5, 48)?
4. What is the equation of the exponential curve that passes through (1,3) and (5, 48)? (Check your answer using technology)