

Using the Graphing Calculator on the Algebra I SOL's

Name _____

Date _____

A.8 The student will write an equation of a line when given the graph of the line, two points on the line, or the slope and a point on the line.

1. Which equation below describes the line passing through the points (3, -2) and (5,4)?

a. $y = 3x - 7$ b. $y = 3x - 11$ c. $y = -3x + 19$ d. $y = 3x - 5$ e. $y = -3x - 11$

2. Which equation represents the line that passes through the points (-4, 3) and (6, -5)?

f. $y = \frac{-5}{4}x - 2$ g. $y + 5 = \frac{-5}{4}(x - 6)$ h. $y = \frac{-4}{5}x - \frac{1}{5}$ j. $5x - 4y = -8$