

Algebra 2

Unit 2 // Practice D

Name:

Date:

Period: 0 1 2 3 4 5 6

Standards: 5.0

Holt: 2.3 Linear Functions

$$m = \frac{(y_2 - y_1)}{(x_2 - x_1)} \longrightarrow y - y_1 = m(x - x_1) \longrightarrow y = mx + b$$

Ex 1: **Write** the equation of a line and through (2, 3) and (3, 6)

Ex 2: **Write** the equation of a line with a slope of -2 and through (-4,2)

Ex 3: **Write** the equation of a line with a slope of $-\frac{1}{5}$ and through (-10,2)

Ex 4: **Write** the equation of a line and through (2, 3) and (5, -6)

Ex 5: **Write** the equation of a line with a slope of $\frac{3}{4}$ and through (-16,4)

Ex 6: **Write** the equation of a line and through (1, 6) and (-5, -6)

Ex 7: **Write** the equation of a line and through (1, -6) and (8, 8)

Ex 8: **Write** the equation of a line with a slope of -3 and through (-5,4)