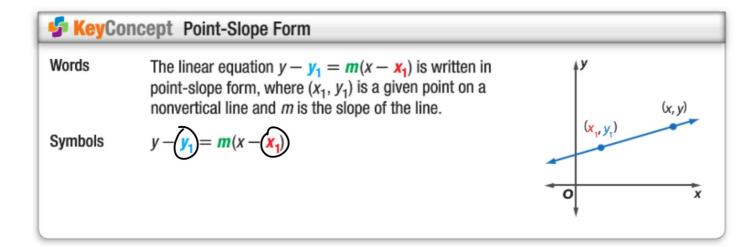
Algebra 1 4.3
Write equations of lines in point-slope form
Write linear equations in different forms

slope-intercept form y = mx + Bpoint-slope form y - ? = m(x - ?)standard form Ax + By = C



$$m=-\frac{2}{7}$$

Write the equation of the line passing through

$$(1,5)$$
 and $(8,3)$.

a) point-slope form



b) slope-intercept form
$$y = \frac{7}{5} \times + 5^{\frac{7}{7}} \quad 3 = \frac{7}{2} \cdot 8 + 8$$
c) standard form
$$3 = -2^{\frac{7}{7}} \cdot 8 + 8$$

$$7 \cdot y = \frac{7}{7} \times \frac{7}{7$$

Standard form

- In order
- Only integers (no fractions, no decimals)
- No GCF
- First term positive△

$$-3 \times +5 y = 7$$

 $3 \times -5 y = -7$

