

Algebra 1: 3.3 Homework - Day 1
Literal Equations

Name _____ Period _____

Convert between degrees Fahrenheit and degrees Celsius using the literal equation given. Round to the nearest 100th.

$$C = \frac{5}{9}(F - 32)$$

1. 72°F

2. -11°F

3. 25°C

4. -3.4°C

Convert each equation from standard form ($Ax + By = C$) to slope-intercept form ($y = mx + b$). Then, identify the slope (m), y -intercept (b), and x -intercept.

5. $4x + 6y = 48$

slope = _____

y -int = _____

x -int = _____

6. $3x - 5y = 25$

slope = _____

y -int = _____

x -int = _____

7. $-x - 8y = 96$

slope = _____

y -int = _____

x -int = _____

Convert each equation from slope-intercept form ($y = mx + b$) to standard form ($Ax + By = C$). Then, identify the slope (m), y -intercept (b), and x -intercept. Don't forget to clear the fractions!

8. $y = 5x + 8$

slope = _____

y -int = _____

x -int = _____

9. $y = -4x + 2$

slope = _____

y -int = _____

x -int = _____

10. $y = -\frac{1}{2}x - 3$

slope = _____

y -int = _____

x -int = _____