

1. Name two pieces of information you need for point-slope form.

For problems 2 & 3, write the equation in point-slope form. Then write it in standard form and slope-intercept form (3 answers for each!).

2. $(4, 5)$ $(8, 11)$

3. $m = -4/5$ point $(-2, 3)$

Point-slope Form

Slope-intercept Form

Standard Form

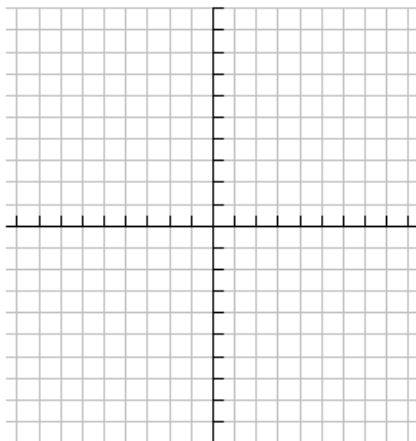
Point-slope Form

Slope-intercept Form

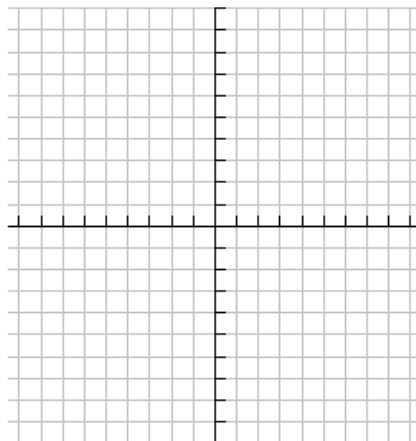
Standard Form

For problems 4-6, graph the equation given.

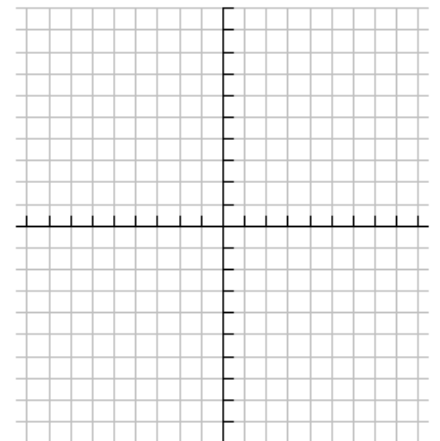
4. $y - 2 = \frac{1}{2}(x - 5)$



5. $y = -3/2(x - 2)$



6. $y + 1 = 2(x + 2)$



For problems 7 & 8, write the equation in point-slope form. Then write it in standard form and slope-intercept form (3 answers for each!).

7. Rate = 3, point (1,1)

8. (-4, 0) (-3, 5)

Point-slope Form

Slope-intercept Form

Standard Form

Point-slope Form

Slope-intercept Form

Standard Form

For problems, 9-11, write the equation in point-slope form of each graph.

9.

10.

11.

