

Classwork 7a
Topic: Lines I

Name: _____

Find the slope and use it to find the equation of the following lines. Write the equation in the form $y = mx + b$.

1. Line with slope 2 and passing through point $(-1, 3)$.

ANSWER

2. Line passing through points $(3, 2)$ and $(1, -2)$.

ANSWER

3. Line passing through points $(-1, -2)$ and $(5, 2)$.

ANSWER

4. Line parallel to the line $9y - 3x = 4$ and passing through the point $(1, 1)$.

ANSWER

5. Line parallel to the line $4x + 2y + 3 = 0$ and passing through the point $(2, -1)$.

ANSWER

6. Line perpendicular to the line $x + 3y = 3$ and passing through point $(0, 0)$.

ANSWER

7. Line perpendicular to the line $8x - 2y + 5 = 0$ and passing through point $(1, 3)$.

ANSWER

Find the slope, x -intercept, y -intercept and any other point on the following lines.

8. $y = 3x - 2$

Slope

x -intercept

y -intercept

Point

9. $x = 4y - 6$

Slope

x -intercept

y -intercept

Point

10. $7x - 4y = 3$

Slope

x -intercept

y -intercept

Point