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 3 and passing through point $(5, 2)$.

ANSWER [   ]

2. Line passing through points $(2, 0)$ and $(0, 4)$.

ANSWER [   ]

3. Line passing through points $(1, 3)$ and $(4, 0)$.

ANSWER [   ]

4. Line parallel to the line $2x - 6y = 3$ and passing through point $(0, 0)$.

ANSWER [   ]

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

ANSWER [ ]

6. Line perpendicular to the line $x + 2y = 3$ and passing through point $(0, 0)$.

ANSWER [ ]

7. Line perpendicular to the line $6x - 3y + 7 = 0$ and passing through point $(3, 1)$.

ANSWER [ ]

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

8. $y = 4x - 5$

Slope [ ] x-**intercept** [ ] y-**intercept** [ ]   **Point** [ ]

9. $x = 3y - 7$

Slope [ ] x-**intercept** [ ] y-**intercept** [ ]   **Point** [ ]

10. $7y - 4x = 3$

Slope [ ] x-**intercept** [ ] y-**intercept** [ ]   **Point** [ ]