Review

1. Circle the following linear equations that are in **standard form**:

   - \( y = 4x - 9 \)
   - \( x = -6 \)
   - \( 2x + 5y = 20 \)
   - \( 3x - 8y + 15 \)
   - \( y - 8 = 0 \)
   - \( 8x - 9y = 0 \)
   - \( y = 5 \)

2. Rewrite any equations that were not in standard form so that they are in standard form.

3. Without doing any calculations, put the equation numbers in order from smallest slope to largest slope.
Sec 4.4: Slope – Intercept Form

Example:

a. Use the point plotting method to graph $y = 2x + 4$

<table>
<thead>
<tr>
<th>x</th>
<th>y</th>
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Work:

b. $x$ – int: __________   $y$ – int; __________

c. Use a slope triangle to find the slope. $m = __________$

d. Choose any two points on the line and use the slope formula to calculate the slope.
Sec 4.4: Graphing with Slope – Intercept Form \((y = mx + b)\)

- **Ex1:** \(y = 3x - 2\)
- **Ex2:** \(y = \frac{3}{5}x + 7\)
- **Ex3:** \(y = -5\)
- **Ex4:** \(x = 6\)
- **Ex5:** \(3x + 4y = 0\)
- **Ex6:** \(3 - x = y\)