

Review

Date _____ Period _____

Solve each equation.

1) $-8(7r + 8) = 440$

2) $168 = -7 + 7(7 + 2x)$

3) $-8(7x + 4) - 3x = 145$

4) $111 = 7 + 8(x + 3)$

5) $v - 1 - v = -3v + 2v - 7$

6) $-8x + 2x = 16 - 8x$

7) $-3(13 + 2n) = -7n - 32$

8) $2n + 34 = 2(3n + 5)$

9) $14v - 70 = 14(14v + 8)$

10) $-70 - 13k = -8(-2k - 13)$

11) $\frac{7}{2} = \frac{4}{3}m - \frac{5}{2}m$

12) $\frac{17}{6} = \frac{4}{3}x + \frac{3}{2}x$

$$13) -\frac{20}{3} = -\frac{1}{2}x + \frac{5}{2}x$$

$$14) -\frac{5}{3}n + \frac{7}{3}n = \frac{1}{3}$$

Write the slope-intercept form of the equation of each line. $y = mx + b$.

$$15) y + 4 = -\frac{1}{3}(x - 3)$$

$$16) y - 3 = \frac{3}{2}(x - 4)$$

$$17) y + 5 = -\frac{2}{5}(x - 5)$$

$$18) y - 4 = -2(x + 4)$$

Write the standard form of the equation of each line. $Ax + By = C$.

Remember: "x" cannot be negative & NO fractions/decimals.

$$19) -4y = -4 - 5x$$

$$20) -\frac{2}{3}y = 2 - \frac{1}{3}x$$

$$21) -2x + 5y = 5$$

$$22) -\frac{1}{4}y = 1 - \frac{1}{8}x$$