

Math 8 Year End Review Copy into your spiral and complete without a calculator.

1. Graph each of the following equations.

a) $y = \frac{3}{4}x + 2$ b) $y = 2$ c) $x = 3$ d) $2y = x$ e) $y = -4 - x$ f) $6 - 2y = 8x$

2. Identify the slope and y-intercept of each equation.

a) $y = -x + 6$ b) $x + 4 = y$ c) $\frac{2}{3}x + y = 7$ d) $3y = 15 - x$

3. Evaluate each expression. Give your answer in simplest terms. Show all of your work.

a) $\frac{2}{3} - \frac{3}{4}$ b) $8 - (-8)$ c) $\frac{1}{6} \cdot -\frac{2}{5}$ d) $-\frac{3}{4} \div -6$

e) $-8.3 - (-11.9)$ f) $9.3 + (-3.7)$ g) $-8\frac{2}{3} - 9\frac{5}{6}$ h) $-\frac{7}{8} + \frac{2}{16}$

4. Solve each equation by doing the same thing to each side.

a) $5m - 4 = 11$ b) $6 + 3x = 2x - 4$ c) $n + 4 = 4(n - 2)$

d) $-2(x + 3) = -5x - 7$ e) $8n + 22 = \frac{-15n + 12}{3}$