

Honors Math 3

Unit 5 – Day 5 Homework

Please do your work on a separate sheet of paper. You must show ALL work and attempt ALL problems to receive full credit. Please check your answers BEFORE class!

p. 245: 13-23 odd

Solve each open sentence.

$$13. \frac{x^2}{9} + \frac{x-1}{10} = 0 \quad x = -\frac{3}{2}, \frac{3}{5}$$

$$15. \frac{y(2y-1)}{2} = \frac{1-y}{3} \quad y = \frac{2}{3}, -\frac{1}{2}$$

$$17. \frac{x(x+1)}{5} - \frac{x+1}{6} = \frac{1}{3} \quad x = \frac{3}{2}, -\frac{5}{3}$$

$$19. \frac{y(2y-1)}{4} + \frac{3}{10} = \frac{y(y+2)}{5} \quad y = \frac{2}{3}, \frac{3}{2}$$

$$21. \frac{y^2+4}{6} + \frac{y+1}{3} < \frac{3}{2} \quad -3 < y < 1$$

$$23. \frac{t^2}{6} + \frac{t-2}{4} \geq \frac{t+1}{3} \quad t \leq -2 \text{ or } t \geq \frac{5}{2}$$