



Name: _____

Date: _____

Intercepts

Solve for x. Show your work.

1. Find both intercepts of $y = 2x + 5$ 2. Find both intercepts of $y = 4x + 10$

3. Find both intercepts of $y = 5x + 10$ 4. Find both intercepts of $y = 4x + 8$

5. Find both intercepts of $y = 1x + 5$ 6. Find both intercepts of $y = 4x + 11$

7. Find both intercepts of $y = 1x + 12$ 8. Find both intercepts of $y = 4x + 2$



Intercepts – Answer Key

1. Find both intercepts of $y = 2x + 5$

$\text{x-int: } (-\frac{5}{2}, 0), \text{ y-int: } (0, 5)$

2. Find both intercepts of $y = 4x + 10$

$\text{x-int: } (-\frac{10}{4}, 0), \text{ y-int: } (0, 10)$

3. Find both intercepts of $y = 5x + 10$

$\text{x-int: } (-2, 0), \text{ y-int: } (0, 10)$

4. Find both intercepts of $y = 4x + 8$

$\text{x-int: } (-2, 0), \text{ y-int: } (0, 8)$

5. Find both intercepts of $y = 1x + 5$

$\text{x-int: } (-5, 0), \text{ y-int: } (0, 5)$

6. Find both intercepts of $y = 4x + 11$

$\text{x-int: } (-\frac{11}{4}, 0), \text{ y-int: } (0, 11)$

7. Find both intercepts of $y = 1x + 12$

$\text{x-int: } (-12, 0), \text{ y-int: } (0, 12)$

8. Find both intercepts of $y = 4x + 2$

$\text{x-int: } (-\frac{2}{4}, 0), \text{ y-int: } (0, 2)$