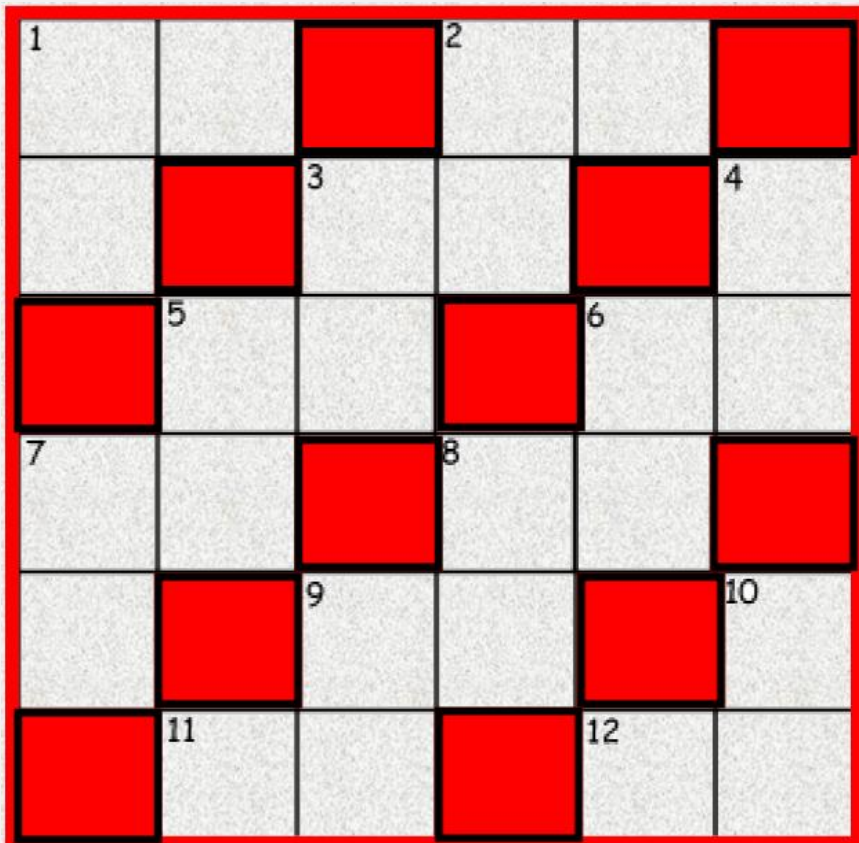


Lesson – Students Cross-number Puzzle

Solving equations with negative integers

Name _____



| ACROSS | DOWN |
|------------------------------|-------------------------|
| 1. $\frac{x}{-3} = -4$ | 1. $-2x = -20$ |
| 2. $x - 7 = -12$ | 2. $\frac{x}{-3} = 2$ |
| 3. $x + 8 = -8$ | 3. $-x - 8 = 8$ |
| 5. $-3x = -18$ | 4. $-2x = -44$ |
| 6. $\frac{x}{6} = -12$ | 5. $-81 = -x^2$ |
| 7. $-3x + 1 = 10$ | 6. $-2x = -140$ |
| 8. $x - 6 = -6$ | 7. $-6x + 2 = 50$ |
| 9. $-2x - 4 = 60$ | 8. $-x^2 - 2 = -6$ |
| 11. $\frac{x}{-6} = -7$ | 9. $-2x = 64$ |
| 12. $\frac{x}{-3} + 6 = -20$ | 10. $\frac{x}{-6} = -3$ |

| DOWN | | ACROSS | |
|--------|--------|--------|--------|
| 10. 18 | 6. -70 | 1. 10 | 11. 42 |
| 7. -08 | 8. 02 | 2. -06 | 6. -72 |
| 9. -32 | 4. 22 | 3. -16 | 7. -09 |
| 5. 09 | 3. 16 | 8. 00 | 12. 78 |
| | 8. 02 | | |
| | 9. -32 | | |

ANSWERS:
The answers are to the left and are flipped upside down. Do not look at the answers until you have completed the puzzle.