

Concrete Algebra Student Sheet 8.2a

Part I

Evaluate each expression for $r = -1$ and $m = 5$.

1. $r - m$
2. $r + m$
3. $m - r$
4. rm
5. $2m$

Part II

IN YOUR SPIRAL, for EACH equation below:

- DRAW your solution,
- SHOW your steps, and
- CHECK your solution in red.

1. $3x + 2 = 5$
2. $-3 = 2m - 4$
3. $11 = 1 + 5r$
4. $16 = 1 + 3v$
5. $3x - 2 = 10$
6. $5 + 5x = -10$
7. $-4 = -2 + 2y$
8. $11 = 1 + 5r$
9. $3x + 10 = 10$
10. $-5 + 4x = 11$

Part III (Challenge)

Solve.

1. $4 - 4x = 2$
2. $x + 3x = 5 - x$

Concrete Algebra Student Sheet 8.2b

Part I

Simplify.

1. $-2 - -8$
2. $-2 \bullet -8$
3. $(-2)(8)(-2)$
4. $-8 \div 2$
5. $(-2)(8) - (-2)(-8)$

Part II

IN YOUR SPIRAL, for EACH equation below:

- DRAW your solution,
- SHOW your steps, and
- CHECK your solution in red..

1. $3x - 5 = 10$
2. $-5 + 5x = 10$
3. $10 = -2 + 6y$
4. $-4 = -2 + 6y$
5. $-5 + 5x = 0$
6. $4 = -5 + 2y$
7. $10 = -8 + 6y$
8. $7y + 1 = 15$
9. $2x + 3 = 2$
10. $4m - 1 = 2$

Part III (Challenge)

Solve.

1. $5 + 3 - -4x = -2$
2. $5 + 3x = -5 - 2x$