

Activity 1.7.1: Solving Problems Involving Linear Equations

Total points = 60

Answers

- $8x + 2y = 7$ ✓
 $8x - 8x + 2y = -8x + 7$ ✓
 $\frac{2y}{2} = \frac{-8x + 7}{2}$ ✓
 $y = -4x + \frac{7}{2}$ ✓
 $m = -4$ ✓, $b = \frac{7}{2}$ ✓
 $y = -4x + 1$ ✓
 $m = -4$ ✓, $b = 1$ ✓
 \therefore Inconsistent and Independent ✓
- $x - 2y = 9$ ✓
 $x - x - 2y = -x + 9$ ✓
 $\frac{-2y}{-2} = \frac{-x + 9}{-2}$ ✓
 $y = \frac{1}{2}x - \frac{9}{2}$ ✓
 $m = \frac{1}{2}$ ✓, $b = -\frac{9}{2}$ ✓
 $x + 3y = 14$ ✓
 $x - x + 3y = -x + 14$ ✓
 $\frac{3y}{3} = \frac{-x + 14}{3}$ ✓
 $y = -\frac{1}{3}x + \frac{14}{3}$ ✓
 $m = -\frac{1}{3}$ ✓, $b = \frac{14}{3}$ ✓
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- $x + 3y = 8$ ✓
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