M3-T1-L2 HW: Multi-Step Equations (variables on same side)

1-10: Solve each multi-step equation. SHOW ALL YOUR WORK.

1.
$$3(x-2) = 24$$

2. $7x + 2x - 5 + x = 45$
3. $3x - 7x - 8 = 24$
 $3x - 6 = 34$
 $10x - 5 = 45$
 $-4x - 8 = 34$
 $10x - 5 = 45$
 $10x - 5 = 45$

10.
$$\frac{2}{3}(3x+6) - 4x = 12$$

$$2x + 4 - 4x = 12$$

$$-2x + 4 = 12$$

$$-4 - 4$$

$$-4 - 4$$

$$-2x = 8$$

$$-3 - 3$$

$$x = -4$$

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