Lesson 1-4: **Solving Equations with the Variable on each side**

1) Solve $6 + 3t = 8t - 14$

$6 + 3t = 8t - 14$ Given equation

\- = -

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6 = - 14

+ = +

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20 = 5 t

= t

2) Solve $6(3a + 1) - 30 = 3(2a - 4)$

$6(3a + 1) - 30 = 3(2a - 4)$ Given equation

6 ( ) + 6 ( ) – 30 = 3 ( ) – 3 ( ) Distributive Property,

\+ 6 - 30 = - 12 Simplify

18a - 24 = 6a - 12

\- = -

- 24 = - 12

\+ = +

12a =

a =

LIVEWORKSHEETS