

1. Solve using the principles together. Check your answer.

$$9y - 8 = 18 - 4y$$

The solution is $y = \boxed{}$.

(Type an integer or a simplified fraction.)

2. Solve using the principles together. Don't forget to check.

$$5(5x + 9) = 13 - (x + 7)$$

The solution is $x = \boxed{}$.

(Simplify your answer.)

3. Solve.

$$12s^2 + s = 6$$

The solution(s) is/are $s = \boxed{}$.

(Simplify your answer. Use a comma to separate answers as needed.)

4. Solve.

$$20 = t(t - 8)$$

$t = \boxed{}$

(Simplify your answer. Use a comma to separate answers as needed.)

5. Solve the following equation.

$$4x^2 - 44 = 0$$

The solution(s) is/are $\boxed{}$.

(Type exact answers, using radicals as needed. Use a comma to separate answers as needed. Type each solution only once.)

6. Solve $T = \frac{9}{8}P + 32$ for P.

Choose the correct answer below.

☐ $P = \frac{8}{9}T - 32$

☐ $P = \frac{8}{9}(T - 32)$

☐ $P = \frac{9}{8}T - 32$

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